





The Digital Photography SourceBook

Section 2

DIGITAL SLRs

Canon.....	92-129
Fuji.....	130-133
Hasselblad.....	134-139
Kenko.....	140-141
Lensbabies.....	141
Leica.....	142-153
Nikon.....	154-189
Olympus.....	190-199
Panasonic.....	200-203
Pentax.....	204-211
Sigma.....	212-229
Sony.....	230-240
Tamron.....	241-245
Tokina.....	246-247

Obtaining information and ordering from B&H is quick and easy. When you call us, just punch in the corresponding Quick Dial number anytime during our welcome message. The Quick Dial code then directs you to the specific professional sales associates in our order department.

 For Section 2, Digital SLRs
use Quick Dial #: 64

EOS DIGITAL REBEL XT*i*

10.1-Megapixel Digital SLR Camera

The EOS Digital Rebel XT*i* brings Canon's 10.1-megapixel CMOS sensor, DIGIC Image Processor, and compatibility with over 50 EF lenses (including the EF-S series)—to photographers at an extremely attractive price. Offering an unbeatable combination of performance, ease-of-use and value, it features a large, easy-to-read 2.5" LCD monitor (along with simplified and streamlined menu navigation), and the remarkable EOS Integrated Cleaning System, a self-cleaning image sensor unit/dust removal system that is available on no other camera of any make, at any price.



It also includes Canon's fast, high-precision 9-point autofocus system, shoots up to 3 fps for up to 27 JPEG and 10 RAW images, and offers Canon's Picture Styles technology, allowing users to easily select presets for sharpening, contrast, saturation, and color tone that most closely reflect their needs and intent for a particular picture. Best of all, the camera is bundled with a host of software—including the camera's utility programs and Canon's Digital Photo Professional software so you are never faced with extra-cost software to make the camera perform to its full capabilities.

FEATURES

10.1 Megapixel CMOS Sensor

- ◆ Canon's large-area CMOS sensor captures images with exceptional clarity and tonal range, and offers the most pixels in its class. The sensor has the same 3:2 ratio as film cameras, enabling an effective angle of view that is 1.6x the normal EF Lens focal length.
- ◆ With a pixel resolution of 3904 x 2598, the XT*i* offers superb detail and clarity, even in large prints, and generates finished files that open at 30MB in your image-editing software. On the CMOS sensor, each pixel is captured with fine detail to create images of tremendous depth and resolution, ensuring enough data for even poster-sized prints.

DIGIC II Image Processor

- ◆ Designed specifically for Canon digital SLR cameras, the DIGIC II Image Processor enhances every aspect of image capture. Information captured by the CMOS sensor is processed and assembled into images of exceptional quality. With the DIGIC II Image Processor on board, photographers can expect natural color reproduction, precise white balance in any number of lighting situations and unparalleled clarity. The DIGIC II processor employs sophisticated signal processing algorithms and works at greater speeds, all while consuming less energy.

Advanced Flash Capability

- ◆ The EOS Digital Rebel XT*i* features the acclaimed E-TTL II flash metering system. Whether using its flush-mounted integral flash or any of the flashes in the EX Speedlite line, E-TTL II provides reliable flash output through numerous exposures.
- ◆ Canon's Speedlite 430EX is perfectly suited to the EOS Digital Rebel XT*i*. It includes an AF-assist Beam, which works in conjunction with the EOS Digital Rebel XT*i*'s focusing system, and automatically sends color temperature information to the camera when the flash fires, for more accurate white balance rendition with flash photography.

2.5" LCD Monitor

All shooting and review information is accessed on the brilliant rear 2.5" LCD monitor with 230,000 pixels. Has a wide 160° viewing angle and bright, easy-to-read menus. Zoom in and magnify the image taken up to 10x – then simply scroll up, down, left or right for a close-up on a particular area.



Display Off Sensor automatically turns off the display when composing images. Sensor detects the photographer's face against the back panel of the camera, and turns the screen off to prevent the monitor's brightness from disturbing the photographer's eye while looking through the viewfinder.

"Picture Style" Settings

- ◆ With Picture Style, photographers can recreate characteristics of their favorite films. Color, saturation, sharpness and contrast settings create noticeable variation in the saved image. In addition to six preset Picture Styles including Standard, Portrait, Landscape, Neutral (low saturation and contrast for easy adjusting during post-processing), Faithful and Monochrome, users can create three additional settings for their particular photographic style.

EOS DIGITAL REBEL XT*i*

9-Point AF System

- ◆ The XT*i* has a high-precision 9-point AF system for speedy and accurate focusing in any situation. Conveniently located on the back of the camera for thumb-controlled action, cross key buttons enable instant choice of the 9 focus points, or allow the camera to choose them automatically.
- ◆ One-Shot is perfect for still photography. AI Servo AF tracks moving subjects, ensuring accurate focus. AI Focus AF switches between One-Shot and AI Servo when subjects are moving and stopping. The Digital Rebel XT*i*'s focusing system functions in metering ranges of EV-0.5 to 18, and displays information on the 2.5" LCD display.

High Performance

- ◆ With a startup time of 0.2 seconds, the Rebel XT*i* is ready to go the instant it's brought to the eye. And the Digital Rebel XT*i*'s shutter can record images as fast as 1/4000 seconds and as long as 30 sec., plus bulb at up to 3 fps for 27 consecutive shots. It synchronizes with Canon Speedlites at 1/200 seconds.
- ◆ Extensive ISO range of 100 to 1600 selectable in 1/3-stop increments is displayed on the top display, and in the viewfinder. The CMOS sensor features a set of narrow gap microlenses and noise reduction circuits to improve performance at high ISO speeds, eliminating blown-out highlights. With optimized photo diode configurations, performance is superb at every ISO value. This results in larger, clearer, sharper and more detailed photographs right from the start.
- ◆ Take creative control of your photography without getting out of your depth. Choose the effect you want with the 5 Creative Zone modes such as Program AE, Shutter and Aperture Priority AE. Manipulate shutter and aperture combinations, or enjoy the freedom of going totally Manual.
- ◆ Packed full of features and totally mobile, the EOS Digital Rebel XT*i* is designed for aspiring photographers. The Mode Dial on the top is simple to use and has been designed to make one-hand shooting comfortable. The optional Battery Grip BG-E3 adds buttons for vertical shooting, and takes either NB-2LH batteries or AA's.

Self Cleaning Sensor Unit

- ◆ To combat against stray dust that enters the camera and adheres to the image sensor during a lens change, the camera features a Canon-designed Self Cleaning Sensor Unit. The low pass filter cleans itself automatically with ultrasonic vibrations, removing dust from the sensor assembly, and anti-static technologies are applied to the low-pass filter covering the front of the sensor so as not to attract dust in the first place. Furthermore, internal camera mechanisms are designed to minimize dust generation including a body cap that has been redesigned to prevent dust generation through wear on the cap itself
- ◆ Dust that has been missed by the integrated Self Cleaning Sensor Unit can also be erased with software included in Digital Photo Professional (DPP). The Digital Rebel XT*i*'s imaging sensor is able to single out the dust particles on its surface, then plots out their location coordinates within the image. This data is transmitted along with the image, whether JPEG or RAW, and can be either manually or automatically erased in Canon's DPP. This added software option ensures the cleanest possible image, perfect for printing or archiving.



Canon EOS Digital Solution Software

The EOS Digital Rebel XT*i* comes bundled with powerful software programs designed to extend the EOS experience to the computer, and each application is designed to perfect captured images, and streamline the digital workflow.

Digital Photo Professional

This image processing program enables high-speed RAW image processing, high-speed previewing for real-time image adjustment and support for sRGB, Adobe RGB and Wide Gamut RGB color spaces. Because it's CMS (Color Management System) compatible, Digital Photo Professional allows for easy image layout and printing in Adobe RGB in conjunction with Easy-PhotoPrint and PictBridge printers. It also features the Digital Rebel XT*i*'s Dust Delete Data Detection tool for cleaner images.



EOS Utility

This software manages the connection between the camera and computer, whenever they're connected via USB. It allows remote controlled shooting from the computer, handles downloading of images from the camera to the computer, and allows seamless linking to either Canon's ZoomBrowser/ImageBrowser or Digital Photo Professional software once images have been copied to the hard drive. Furthermore, it's used to upload settings back into a USB-connected camera.

ZoomBrowser EX (Windows) and ImageBrowser (Macintosh)

This easy, user-friendly software is for viewing and editing of JPEG and RAW image files. Both allow viewing of numerous types of images including finished TIFF and BMP files, and also have a variety of search options for finding images, allow re-naming of single images or batches of files, and offer a variety of options for printing without using a separate image-editing program. PhotoStitch is also included for creating panoramic and composite images.

EOS DIGITAL REBEL XT*i*

Image Compression Options

- ◆ When shooting you can select from three image compression options: RAW, JPEG or RAW + JPEG simultaneously. Ideal for situations that require reduced file sizes; there are six selectable settings for JPEG quality.
- ◆ Canon's RAW image setting, on the other hand, employs loss-less compression, ensuring the highest image quality. RAW images can potentially capture even greater detail in highlights and shadows and can be processed into either 8-bits or expanded 16-bits per channel finished files. For both JPEG and RAW images, there's choice of standard sRGB or expanded Adobe RGB color space.

Image Transfer

- ◆ Printing and uploading to a computer is incredibly simple with the Print/Share button. Simply connect the camera to a computer via the USB 2.0 port, press the button, and transfer some or all of the images in the camera's memory to folders on the computer.
- ◆ Direct print support with PictBridge compatible printers. Simply connect the camera to any PictBridge-compatible printer, select your image and print settings, press the Direct Print button to start printing. Exif Print 2.2 includes shot information with each image to optimize the printing of each of your photographs.

EF & EF-S Lenses

- ◆ The EOS Digital Rebel XT*i* is compatible with all Canon lenses in the EF lineup, ranging from ultra-wide angle to super telephoto lenses, and including Canon's EF-S series lenses, manufactured specifically for Canon's APS-C sized digital sensor. Canon lenses employ advanced optical expertise and micron-precision engineering to deliver unprecedented performance in all facets of the photographic process. Aspherical optics and fluorite elements, for example, are featured in the universally acclaimed L Series lenses, and Canon's Image Stabilizer technology in select lenses minimizes the effect of camera shake. Through Canon lenses, photographers can truly maximize the quality and liberating performance of the EOS Digital Rebel XT*i*.

Basic Body and Lens Packages

EOS Rebel XT*i* Body: Available in Black (CAEDRXTIB) and in Silver (CAEDRXTIKB). Includes NB-2LH Battery Pack, CB-2LW Battery Charger, USB and video cables, a neck strap, and EOS Digital Solutions software.

EOS Rebel XT*i* Body with EF-S 18-55mm f/3.5-5.6 Lens: Available in Black (CAEDRXTIKB) and Silver (CAEDRXTIKS).

EOS Digital Rebel XT*i* Accessories



BG-E3 Vertical Grip/Battery Holder (CABGE3): Holds up to two NB-2LH battery packs or six AA batteries to offer double-length shooting time. The vertical shutter release makes shooting with the camera in a vertical position just as comfortable as shooting horizontally.....**139.95**

CA-PS700 AC Power Adapter (CACAPS700): Ensures the safe transfer of pictures while removing the risk from an accidental battery outage.....**59.95**

NB-2LH Battery (CANB2LH): Replacement high-capacity rechargeable lithium-ion battery for use in the camera or in the BG-E3 Grip**49.95**

Angle Finder C (CAFAC): Lets you adjust the viewing angle while providing a full screen image that also shows exposure data. Includes built-in diopter adjustment**179.95**

Eyecup Ef (CAECEf): For soft eye contact even when wearing glasses.....**10.95**

Rubber Frame Ef (CAFEFD): For Digital Rebel XT*i* with E-series diopter lenses**9.95**

Diopter Adjustment Lens Ev: Provides near and far-sighted users a clear viewfinder image without their glasses. Available in nine types from +3 to -4 dpt to match your eyesight. Each diopter fits into the eyepiece holder for convenient and a comfortable fit. For 0 use (CAD0E), or simply insert number in the parenthesis after P for plus CADP()E or M for minus CADM()E diopters.....**13.95 ea.**

EP-EX15 Eyepiece Extender (CAEPEX15): Extends the eyepiece by 5/8" from the camera body and reduces the viewfinder magnification by 30%. Ideal for eyeglass wearers and others who wish to prevent the tip of their nose from touching the camera body. Also prevents condensation or fogging**17.95**



RC-1 Wireless Remote Controller (CARC1): A miniature infra-red transmitter that operates at ranges up to 16.4', and may be set for either instant shutter release or 2-second delay. The RC-1 can also be used to activate mirror lock and bulb shutter functions**24.95**

RC-5 Wireless Remote Controller (CARC5): Compact, infrared remote control operates up to 16' away.....**21.95**

Remote Switch RS-60E3 (CARS60E3): Compact remote switch with a 2' cable replicating all functions of the camera's shutter release button. Handy for taking pictures of subjects that are difficult to approach, or to minimize vibration**25.95**

EOS 30D



8.2-Megapixel Digital SLR Camera

Addressing the needs of a wide assortment of photographers, ranging from wedding and portrait specialists to photojournalists and advanced amateurs, the EOS 30D Digital SLR offers standards of excellence for features, durability, versatility, and even affordability. It features extremely fast start-up time, an 8.2 megapixel CMOS sensor, DIGIC II Image Processor, fast 5-fps shooting capability and field-tested tough construction. It also includes enhanced operational features such as a 2.5" LCD monitor, true spot metering, a durable shutter mechanism and Canon's Picture Style feature, all in an sturdy, magnesium-clad body.

FEATURES

8.2 Megapixel CMOS Sensor

- ◆ Canon's large-area CMOS sensor captures images with exceptional clarity and tonal range, and offers the most pixels in its class. The sensor has the same 3:2 ratio as film cameras, enabling an effective angle of view that is 1.6x the normal EF Lens focal length.

DIGIC II Image Processor

- ◆ The DIGIC II image processor enhances every aspect of image capture. Information captured by the CMOS sensor is processed and assembled into images of exceptional quality. With DIGIC II on board, you can expect natural color reproduction, precise white balance in any number of lighting situations and unparalleled clarity. DIGIC II employs sophisticated signal processing algorithms and works at greater speeds, all while consuming less energy.

High-Speed Shooting

- ◆ The EOS 30D lets you specify high-speed 5 fps or a low-speed 3 fps continuous shooting for more controlled shooting and/or to save space on the CF card. And it can capture up to 30 JPEG and 11 RAW (or 9 RAW + JPEG) files in one burst. Whether it's the 0.15-second startup time, the high-speed mirror drive, the nearly instant 65-millisecond shutter release lag time or the predictive AF focusing at speeds up to 5fps, the EOS 30D will amaze photographers who don't want to wait for their camera when they're ready to shoot.

Large 2.5" LCD Monitor

- ◆ The EOS 30D has a brilliant 2.5" LCD monitor 230,000 pixels resolution. It not only displays more information, it can also be viewed at a greater angle (170°) than many conventional LCD monitors.
- ◆ The full-featured shot information screen not only provides an RGB histogram, it can display the AF frame used. Furthermore, magnification zooms to the focus point rather than the center of the image to check exposure and critical focus. Menus are accessed at the touch of a button and feature large text that is easier to read.
- ◆ Auto rotate feature offers the choice of automatically rotating vertical images to correct the orientation for viewing on the LCD monitor as well as on a PC, rotating only for the PC or not rotating the image at all.
- ◆ Whether changing color parameters, setting up custom functions, organizing folders or setting white balance, the EOS 30D helps photographers get to their information quickly, so they never miss a shot.

Strong and Durable

- ◆ The EOS 30D has a solid, substantial feel that complements its compact dimensions. The camera body is constructed of magnesium-alloy, known for its lightweight and ultra-rigid strength. It has a high-speed and durable shutter unit, designed to shoot up to 100,000 exposures with a top speed of 1/8000 second and flash sync up to 1/250 second.

"Picture Style" Settings

- ◆ Incorporates Canon's Picture Style settings, which simulate the characteristics of different film styles, lets you customize your shooting. These include Standard, for punchy, print-from-the-camera color, Portrait, for softer, more natural skin tones, Landscape, for vivid blues and greens and overall sharpness, and Neutral, Faithful and B&W, which can be customized to emulate color filters with black and white film.
- ◆ Three user-defined settings allow for adjusting sharpness, contrast, saturation and color tone, creating noticeable variation in the saved image. Ensures that images will look exactly as you want, right out of the camera,

High Performance

- ◆ Whether it's the 0.15-second startup time, the high-speed mirror drive, the predictive AF focusing at speeds selectable from 3 or 5 fps or the nearly imperceptible shutter-release lag time, the EOS 30D will amaze and delight photographers who don't want to wait for their camera. A top shutter speed of 1/8000sec. and flash sync at 1/250 sec. ensure that the camera won't miss the action.
- ◆ CMOS sensor allows 4-channel, high-speed data processing, enabling continuous shooting of up to 30 JPEG frames, 11 RAW frames and 9 simultaneous JPEG + RAW frames in a burst at 5 fps. Fast buffer clearing times allow for quick storage of images to memory cards, so it is easy to stay in the action.

EOS 30D

9-Point AF System

- ◆ High-precision 9-point AF system for speedy and accurate focusing in any situation. Conveniently located on the back of the camera for thumb-controlled action, cross key buttons enable instant choice of the 9 focus points, or allow the camera to choose them automatically.
- ◆ One-Shot is perfect for still photography. AI Servo AF tracks moving subjects, ensuring accurate focus. AI Focus AF switches between One-Shot and AI Servo when subjects are moving and stopping. For any of the AF modes or manual focus, the EOS 30D's focusing screen with a precision matte finish enables easy, bright, color-neutral viewing.

Exposure Control

- ◆ In addition to 35-zone evaluative metering system and center-weighted average metering, the EOS30D has a 3.5% spotmeter. Photographers can use exposure information from a spotmeter to determine which adjustments to aperture or shutter speed are necessary for correct exposure of the entire subject, which is particularly useful for composing high-contrast shots.
- ◆ Extensive ISO range (from 100 to 1600 plus ISO 3200 in extended mode), which is selectable in 1/3-stop increments.

White Balance Control

- ◆ The EOS 30D includes a number of white balance modes for further customization: Auto, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash, plus manual and user-specified color temperature from 2,000K to 10,000K. To fine-tune white balance, the EOS 30D also features white balance compensation and a number of different white balance bracketing options for spot-on color in any number of lighting situations.

E-TTL Flash

- ◆ For flash photography, the camera features E-TTL II flash metering. Whether using its flush-mounted integrated flash, or any of the flashes in the EX Speedlite line, E-TTL II (Evaluative Through-The-Lens) provides reliable flash output by weighing and averaging the flash metering information from both ambient light and preflash readings.

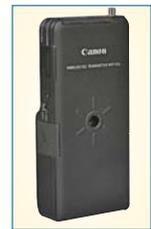
EOS 30D Accessories

In addition to Canon's EF lenses and Speedlite flashes, many other accessories are designed by Canon to work perfectly with the EOS 30D. The Battery Grip BG-E2 adds a vertical shutter release, and is compatible with up to two of Canon's BP-511A lithium-ion battery packs for increased shooting capacity, the DVK-E2 Data Verification Kit can verify whether or not a photo is an untouched original, and the WFT-E1A Wireless File Transmitter allows you to transmit images from your camera directly to a computer over a wireless network.



BG-E2 Vertical Grip/Battery Holder (CABGE2): Holds up to two BP-511A battery packs or six AA batteries to offer increased shooting capacity. It provides an additional shutter release, main dial, AE lock/FE lock and AF point selection controls for easier vertical shooting, as well as a 1/4-20 size tripod mount thread.....**169.95**

WFT-E1A Wireless LAN File Transmitter (CAWFTE1): Allows you to transmit images from your camera directly to a computer over a wireless local area network (LAN) using both the slower 802.11b and faster 802.11g wireless transmission protocols. To protect your data when transmitting, the WFT-E1 includes security and authentication/encryption protocols covering WEP, TKIP, MAC address filtering and SSID support for access to closed networks. It is also equipped with a standard RJ-45 ethernet port on the side of the unit that enables it to connect to a wired router, the ethernet port of a computer or other 100Base-T-compatible networking devices**999.95**



DVK-E2 Data Verification Kit (CADVKE2): Consisting of a dedicated memory card, a Secure Mobile (SM) card reader, and special software for Windows 2000/XP, the DVK-E2 Data Verification Kit is able to verify that EOS 30D image files are absolutely unaltered. The system is so precise, that even the slightest discrepancy is detected. This may well be a landmark for digital imaging in law enforcement and other documentary uses.**699.95**

Canon EOS Digital Solution Software

The EOS 30D comes bundled with powerful software programs designed to extend the EOS experience to the computer. They are designed to perfect captured images, and to streamline the digital workflow. The **Digital Photo Professional** image processing program enables high-speed RAW image processing, high-speed previewing for real-time image adjustment and support for sRGB, Adobe RGB and Wide Gamut RGB color spaces. **EOS Utility** manages the connection between the camera and computer, whenever they're connected via USB. **ZoomBrowser EX** (Windows) and **ImageBrowser** (Macintosh) allow you to view and edit the JPEG and RAW image files. PhotoStitch is also included for creating panoramic and composite images.

EOS 30D

Image Compression Options

- ◆ You can select from three image compression options: RAW, JPEG or RAW + JPEG simultaneously. The JPEG compression method is ideal for situations that require reduced file sizes; there are six selectable settings for JPEG image quality.
- ◆ For both JPEG and RAW images, there's a choice of standard sRGB or expanded Adobe RGB color space. To simplify image organization, EOS 30D folders hold up to 9,999 images. Images from a particular shoot can be stored together.

Mode Dial

- ◆ Fully automatic shooting modes optimize camera settings for particular shooting situations. The Image Zone modes include Full Auto (green zone), Portrait, Landscape, Macro, Sports, Night Portrait and Flash Off. The Creative Zone modes include Program AE with easy-to-activate Program Shift, Shutter-priority AE for selecting shutter speed, Aperture-priority AE for setting aperture, manual and Auto Depth-of-Field, which puts every thing covered by the nine AF points into sharp focus.

Direct Printing

- ◆ The EOS 30D lets you print beautiful photos with minimum time and effort - directly from the camera. It's compatible with Canon's SELPHY Compact Photo Printers, desktop PIXMA Photo Printers, and even third-party PictBridge-compatible printers.
- ◆ Print a single-image or 20-image print with shooting information that includes the camera model, lens, shooting mode, shutter and aperture settings, exposure compensation, ISO value and white balance setting – excellent for archiving, comparing or learning. In addition you can generate 35-image contact sheets and even adjust fill flash through the Face Brightener feature.
- ◆ With PIXMA Pro Series printers, advanced camera direct capabilities enable unprecedented management of color and print quality – brightness, color saturation, contrast and tone are easy to adjust—right from the LCD monitor. You can even crop a vertical image to a horizontal, such as a panorama (or vice versa), or by simply zooming in on a detail, crop an image with the in-camera trimming tool.

	Digital Rebel XTi	EOS 30D
Effective Resolution	10.1 Million Pixels	8.2 Million Pixels
LCD Display (Size, Pixels)	2.5" TFT, 230,000	2.5" TFT, 230,000
Image File Formats	JPEG (Fine, Normal) RAW (CR2) RAW+JPEG simultaneous recording	JPEG (Fine, Normal) RAW (CR2) RAW+JPEG simultaneous recording
Color Modes	Full Color, Black & White (with Sharpness, Contrast, & Filter Controls)	Neutral, Faithful, Monochrome, sRGB and Adobe RGB color spaces selectable
Optical Image Stabilization	Supports Canon IS and equivalent lenses	Supports Canon IS and equivalent lenses
Focus Type	TTL-CT-SIR AF-dedicated CMOS sensor with 9 AF points (Automatic or Manual selection) and AF-assist Beam	TTL-CT-SIR AF-dedicated CMOS sensor with 9 AF points (Automatic or Manual selection) and AF-assist Beam
Exposure Control; Auto ISO Selectable	100 - 400 100, 200, 400, 800, 1600	100 - 400 100, 200, 400, 800, 1600 Enhanced H (ISO 3200)
Shutter Speed (seconds)	30 - 1/4000	30 - 1/8000
Mirror Lock-Up	✓	✓
Exposure Metering	TTL metering with 35-zone SPC (Evaluative metering, Partial metering, Center-weighted average metering)	Max. Aperture TTL metering with 35-zone SPC and a Metering Range of EV 1-20 (Evaluative metering, Partial metering, Spot metering, Center-weighted average metering)
Built-in Flash	Auto pop-up, retractable flash	Auto pop-up
Effective Flash Range	43' @ ISO 100	43' @ ISO 100
External Flash Connection	Dedicated Hot Shoe & PC Terminal	Canon Hot Shoe
External Flash Control	E-TTL II autoflash with EX series Speedlite	E-TTL II autoflash with EX series Speedlite
Max Flash Synchronization Speed	1/200 seconds	1/250 second
Start-Up Time	0.2 seconds	0.15 seconds
Shutter Lag	0.001 seconds	0.065 second
Time Between Shots	Less than 1 second (Flash off)	Less than 1 second
Burst Capability	3.0 fps up to 27 frames (JPEG)	Continuous high-speed: 5 fps Continuous low-speed: 3 fps
Compatible Memory Cards	CompactFlash (Type I & II)	CompactFlash (Type I & II)
Computer Interface	USB 2.0	USB 2.0
Direct Print Capability	PictBridge, CP Direct, Bubble Jet Direct	Canon Direct Print, PictBridge
Battery Type	NB-2LH Battery Pack 2x NB-2LH or 6x AA with BG-E3 vertical grip (optional)	BP-511A Li-ion Also compatible with BP-511, BP-512 & BP-514
Power Adapter	ACK-DC20 (optional)	AC power can be supplied via the optional DC coupler
Dimensions (HxWxD) (Body Only)	3.7 x 5.0 x 2.6"	4.2 x 5.7 x 2.9"
Weight (Body Only)	18 oz.	24.7 oz.

EOS 5D

12.8-Megapixel Full-Frame Digital SLR

Boasting a 12.8 megapixel, 35mm full-size image sensor in a magnesium alloy body weighing just 28.6 ounces, the EOS 5D is a premium DSLR with outstanding image quality that combines the high-end specifications of the EOS-1 line and the operational ease of the EOS 30D. Designed for wedding and portrait, as well as landscape and nature photographers, the EOS 5D features a full-frame CMOS sensor with 12.8 megapixels of resolution—enough resolution for a double-page spread in a magazine, a large print of the bride and groom, facial detail in group shots or a landscape of impressive dimensions.

One of the world's smallest and lightest full-frame digital SLRs, the EOS 5D features Canon's proprietary DIGIC II Image Processor, which allows users to shoot up to 3 frames per second and record up to 60 full-resolution JPEGs and 17 RAW images in a single burst. The camera includes a 9-point AF system with six supplemental AF points for fast and precise focusing, a lightning fast (0.2 seconds) start-up time, and a 2.5" LCD screen with 230,000 pixels that's viewable even at extreme angles.



The full-size sensor maximizes the performance of Canon EF lenses, the world's largest selection of autofocus lenses. With the full-size sensor, EF lenses—even wide-angle lenses—have the same look and feel they have with conventional SLR cameras, preserving their optical signatures. The heart of the EOS 5D, the Canon-designed and -manufactured CMOS image sensor also features low power consumption, extending battery life and lowering noise. A finer CMOS production process and optimized photodiode construction increase the light-sensitive area of each pixel and improve dynamic range as well.

FEATURES

12.8-Megapixel Full-frame CMOS Sensor

Developed by Canon, this high-resolution, 35mm full-frame CMOS sensor sets the standard for its class, featuring a remarkable 12.8 million effective pixels for a maximum recorded resolution of 4368 x 2912 pixels. Second-generation on-chip noise reduction is enhanced for easier use with a choice of two modes: "Auto", to engage auto noise reduction when noise is detected; "ON", to engage noise reduction for all exposures of 1 sec. or longer. From smooth gradations and wide ISO speed range to effective suppression of false colors and ultra-precise white balance, this sensor matches the image quality found in the EOS-1Ds Mark II.

High Speed DIGIC II Imaging Engine

The DIGIC II processes massive data from the large CMOS sensor at extremely high speed for photos of exceptional quality and definition. This accelerated performance contributes to highly responsive, user-friendly operation, including a fast continuous shooting speed. Color reproduction is extremely natural and details are incredibly precise, especially with gradations in the highlight areas. Such processing efficiency also keeps power consumption minimal.

Solid Construction

Highly durable yet elegantly refined, the body of the EOS 5D can be handled with remarkable ease. It features a highly rigid magnesium alloy exterior (including the Battery Grip BG-E4), a solid stainless steel internal chassis, and a mirror box of high-strength engineering plastic. Balance is effortlessly maintained from the redesigned grip to the top of a Speedlite flash unit. With a front groove on the grip for the middle finger to the enhanced metallic feel of the Mode Dial, this camera assures greater stability at every point.

Extremely Durable High-Speed Shutter

Equipped with an extremely fast and highly durable shutter developed especially to match the EOS 5D's full-frame 35mm CMOS sensor. The high-torque shutter-cocking mechanism is rated to 100,000 shots, attaining speeds from 1/8000 sec. to 30 sec. and bulb. The unit's flash synchronization (X-sync) function uses an optically detected, contactless switch instead of a mechanical one, which contributes to high durability and reliability when a Speedlite is used and yields an X-sync shutter speed of 1/200 sec.

EOS 5D

High Performance

- ◆ 9-point AF sensor with 6 Assist AF points provides speedy and precise focus detection plus enlarged subject coverage. With an extra 6 AF assist points added to the spot metering circle, the EOS 5D enables highly detailed focusing around the center of an image in AI Servo AF mode. In addition, three AF points work with *f*/2.8 or faster lenses for enhanced precision.
- ◆ Driven by the advanced DIGIC II imaging engine, the EOS 5D achieves a remarkable 3fps consecutive shooting speed during maximum bursts of 60 shots (17 in RAW) even for Large/Fine JPEG shots.
- ◆ For rare shutter opportunities, the amazingly quick startup (0.2 sec.) and short shutter release time lag (75 milliseconds) lets you capture the moment without delay. Another efficient use of your time is the fast transfer of data enabled by EOS 5D's compatibility with USB 2.0 High-Speed.
- ◆ JPEG and 12-bit RAW data file formats. Available resolution settings are: 4368 x 2912; 3168 x 2112; and 2496 x 1664.
- ◆ TTL optical viewfinder with detailed information display, -3.0 to +1.0 diopter adjustment, and depth-of-field preview.

Exposure

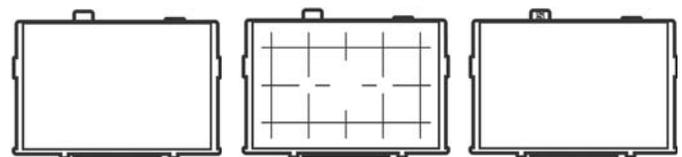
- ◆ Variable ISO (100 to 1,600 settings in 1/3-step increments, plus ISO 50 and 3200 using ISO expansion option).
- ◆ Automatic, Program AE (shiftable), Shutter Priority, Aperture Priority, and Manual exposure modes.
- ◆ Adjustable exposure compensation from -2 to +2 EV in 1/2 EV or 1/3 EV increments in all exposure modes.
- ◆ Auto exposure bracketing (AEB) from ± 2 EV in 1/2 EV or 1/3 EV increments in all auto exposure modes.
- ◆ Shutter speeds from 1/8,000 to 30 seconds, X-sync is 1/200 second.
- ◆ Automatic and manual AE Lock function
- ◆ Variable white balance with Auto, six fixed presets, Custom (reads from a shot of a neutral gray or white card), a color temperature setting, and White Balance Correction and Auto Bracketing modes.

Full-Frame Imaging Sensor

Historically, full frame digital sensors were reserved only for the very top end of Digital SLR lines. The EOS 5D is the 3rd camera in the EOS Digital SLR line to use a full-frame sensor, eliminating the lens conversion factor so that lenses function as they would on a 35mm camera. With a 12.8 Megapixel CMOS sensor, the 5D produces a large file with enough information to reduce electronic distortions out of the camera. Besides being a welcome feature to wide-angle enthusiasts, the sensor also realizes the full potential of Canon's tilt-shift lenses. Add the choice of 3 focusing screens, including one with grid lines, and the EOS 5D is the perfect camera for creating fast, huge digital architectural photos

Interchangeable Screens

- ◆ The viewfinders include an improved standard focusing screen interchangeable with two others (sold separately) for highly customized viewing. The Ee-S Super Precision Matte for easier manual focus and the Ee-D Precision Matte with grid have different metering characteristics for variable shooting conditions. The choice of three Precision Matte screens is a feature valued by professionals for added flexibility and greater precision.



Ee-A Screen

Ee-D Screen

Ee-S Screen

Custom Functions

A full complement of twenty-one Custom Functions with 57 settings is provided on the EOS 5D. Under the menu's Setup tab, [Camera setting registration] allows users to store one set of frequently used camera settings, both Shooting Settings and Menu Settings included. The saved settings can be displayed on the LCD panel by turning the Mode dial to C.

2.5" LCD Screen

- ◆ This 2.5", polysilicon TFT LCD color monitor with 230,000 pixels maintains the same picture quality and brightness (5 levels) from almost any viewing angle (170°), whether front and center or upward angle. With the EOS 5D as your eyes on the world, you get an unimpeded view with a large display area. Other features to inform your perspective include easy-to-read menus, a full-featured info screen complete with RGB histogram and AF frame displays, and enlargeable reviewing images right after shooting.
- ◆ Because noise is difficult to see on a camera's LCD monitor, even one as large and detailed as the EOS 5D's, it is hard to know whether noise reduction should be turned on or not. Therefore there is a Custom Function for noise reduction for long exposures with three settings: On, Off or Auto noise reduction.

PictBridge-Compatible

Optimize every shot with expanded PictBridge functionality. Printing beautiful photos is still done with minimum time and effort: connect to a PictBridge-compatible printer via USB port, select your image and print settings, and press the Direct Print button. But now you can choose Bordered prints with Exif shooting information, 35-up contact prints with photo number or date, 20-up prints with shooting information, or prints with shooting information. With extras like paper sizes and the PC-less printing effect of Face Brightener, getting tangible results from your camera has never been faster or easier.

EOS 5D

E-TTL Flash II

- ◆ The EOS 5D features Canon's E-TTL II flash metering system, which provides consistently accurate flash exposure from shot to shot. Canon's Speedlite 580EX and 430EX are perfectly suited to the EOS 5D. They include an AF-assist Beam, which works in conjunction with the EOS 5D's focusing system, and automatically sends color temperature information to the camera when the flash fires, for more accurate color rendition with flash photography.
- ◆ Flash exposure compensation of ± 2 stops in one-half or one-third stop increments. Flash exposure lock function. First and second curtain sync function. External shoe supports E-TTL, E-TTL II, FEL, and FP (high speed sync) flash metering.

Conveniences

- ◆ Picture Styles menu offering Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, and three user presets.
- ◆ Operates in "shooting priority mode", meaning the camera does not need to be set in "play" mode to view pictures. Pictures can be viewed in between shots, and even if camera is displaying a picture or in a menu, half-pressing the shutter button prepares it to take a photo immediately.
- ◆ When shutter speed priority AE or manual exposure is set and continuous shooting is done at the same shutter speed, noise reduction will be performed in a single process on all the shots based on the first shot.
- ◆ Backlit LCD data readout, for easier operation in the dark.

Additional Features

- ◆ 2- and 10-second electronic self-timer
- ◆ Optional external hand grip/battery pack adds secondary shutter release and control wheel, as well as AE lock and focus point buttons for vertical-format shooting.
- ◆ Image storage on CompactFlash Type I/II or Hitachi MicroDrives.
- ◆ USB 2.0, as well as NTSC/PAL selectable video output. N3 remote control socket.
- ◆ DPOF (Digital Print Order Format) and DCF (Design Rule for Camera File System) and PictBridge compliant.

Optional Wireless File Transmitter WFT-E1A

Canon's Wireless File Transmitter enables fast, wireless image transfer from EOS Digital cameras directly to a computer. This amazing productivity tool eliminates the need to stop and upload image files to the computer, allowing you to concentrate on shooting photographs, knowing that your images are being transferred in the background, automatically.

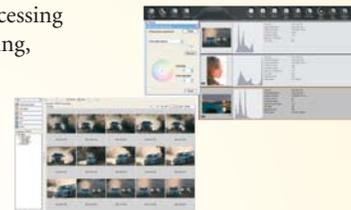
Whether working on location, in the studio, shooting fashion or events, the WFT-E1A is an indispensable tool for today's pros. The WFT-E1A offers several different ways of transmitting image data: It can communicate directly with a local computer outfitted with a wireless LAN adapter, or with a direct Ethernet connection. It can also connect to a remote server through a Wireless Access Point connection. Built to withstand the rigors of professional shooting, the WFT-E1A is the perfect complement to a digital EOS System.

- ◆ Wireless LAN compatible (IEEE 802.11 B/G up to 54 mbps) for speedy image transmission during or after shooting.
- ◆ 100 Base-TX Ethernet connection for tethered, fast connection.
- ◆ Operable up to approx. 200' with normal antenna; up to 500' with optional ERA-E1 extended-range antenna.
- ◆ Offers high-security transfer using WPA-PSK, WEP and TKIP encryption (180 minutes wireless, 270 minutes wired).
- ◆ Compatible with both USB 2.0 and IEEE 1394 (firewire) connections to the camera.
- ◆ Thin profile complements the design of the digital EOS

Canon EOS Digital Solution Software

The EOS Digital Rebel XTi comes bundled with powerful software programs designed to extend the EOS experience to the computer, and each application is designed to perfect captured images, and streamline the digital workflow.

Digital Photo Professional: This image processing program enables high-speed RAW image processing, high-speed previewing for real-time image adjustment and support for sRGB, Adobe RGB and Wide Gamut RGB color spaces. Because it's CMS (Color Management System) compatible, Digital Photo Professional allows for easy image layout and printing in Adobe RGB in conjunction with Easy-PhotoPrint and PictBridge printers. It also features the Digital Rebel XTi's Dust Delete Data Detection tool for cleaner images.



EOS Utility: This software manages the connection between the camera and computer, whenever they're connected via USB. It allows remote controlled shooting from the computer, handles downloading of images from the camera to the computer, and allows seamless linking to either Canon's ZoomBrowser/ImageBrowser or Digital Photo Professional software once images have been copied to the hard drive. Furthermore, it's used to upload settings back into a USB-connected camera.

ZoomBrowser EX (Windows) and ImageBrowser (Macintosh): This easy, user-friendly software is for viewing and editing of JPEG and RAW image files. Both allow viewing of numerous types of images including finished TIFF and BMP files, and also have a variety of search options for finding images, allow re-naming of single images or batches of files, and offer a variety of options for printing without using a separate image-editing program. PhotoStitch is also included for creating panoramic and composite images.

EOS-1Ds MARK II

16.7-Megapixel Full-Frame Digital SLR

The ultimate combination of resolution and speed, the EOS-1Ds Mark II is a must-have for those seeking to capture huge, beautiful images—fast. Featuring a full-frame 16.7 megapixel CMOS image sensor, combined with Canon's blazing DIGIC II Image Processor, the EOS-1Ds Mark II captures up to 32 consecutive shots at speeds up to 4 fps, creating images large enough for almost any purpose, whether on location or in the studio. With a recorded image size of 4992 x 3328 pixels, low noise levels, super rich gradations, it delivers images that astound when printed at large size. Add outstanding speed, exceptional control, ISO ratings of 50-3200, rock-solid reliability and durability under the most rugged conditions. Add compatibility with over 50 EF Lenses, in addition to the entire line of EOS accessories, including the WFT-E1 Wireless File Transmitter, and you have one of the most remarkable cameras in the history of digital SLRs.



— INCORPORATING ALL THE FEATURES OF THE EOS-5D, THE EOS-1Ds MARK II STEPS-UP WITH —

Megapixel Quality

- ◆ 16.7-megapixel CMOS sensor creates images large enough for almost any purpose. Thanks to smooth gradations and effective suppression of noise and false colors it meets the highest expectations and delivers outstanding image quality. Sensor is full frame (24 x 36mm) so there is no focal length conversion factor. Lenses have the same angle of view as they would on a 35mm camera.

45-Point AF

- ◆ Compared to the EOS-5D, the EOS-1Ds Mark II delivers AF sensitivity one full stop better in dark scene areas. The area AF system has 19 selectable high-precision cross-type points plus 26 Assist points for a total of 45 AF points. The cross-type points are not only positioned in the central area, but also at the outer edges of the AF sensing area. The superior speed, precision, and low-light sensitivity of this system is especially noticeable when shooting with longer EF lenses.
- ◆ The 26 additional Assist points can be used to expand the coverage area of any manually selected primary AF point. An Assist point can be added to either side of a selected AF point, or a ring of six AF points can be activated around a manually selected point. Assist points can be added to any of the 19 selectable primary AF points. Assist points can be used in the AI Servo AF mode as well as the One-Shot AF mode.

Dual Card Slots

- ◆ Equipped with two card slots, one for CompactFlash and one for Secure Digital Memory cards. The camera can be set up to record images on either card for maximum storage capacity, or, for extra security, the same image can be recorded simultaneously on both cards. The card slot cover release knob enables photographers to open the slot easily, even with their gloves on.
- ◆ An entire camera's settings can be saved to a memory card and shared with multiple cameras. If service is needed, personal settings can be stored and reloaded onto the camera, minimizing redundant settings work.

High Performance

- ◆ The EOS-1Ds Mark II is ready for action just 0.3 seconds after its power switch is clicked on and fires a fast 4-fps at full resolution for bursts of up to 32 JPEG or 11 RAW images. Can be altered in 1 fps increments with Personal Function. In a commercial studio environment, the EOS-1Ds Mark II will actually shoot faster than the time it takes for most studio strobes to recycle.
- ◆ Shutter -speed is 1/8000 to 30 sec. (1/3-stop increments), bulb, X-sync at 1/250 sec.
- ◆ Five preset color matrix settings plus two which allow adjustment of color space, saturation and tone within a prescribed range.

Durability

- ◆ Rigid, well coated magnesium alloy body, as well as improved dust-proofing and waterproofing for shooting in even the most inclement conditions. In addition, the shutter is designed to endure 200,000 cycles. With a strengthened accessory shoe, electromagnetic shielding to help reduce noise, all in an elegant comfortable to carry body, the EOS-1Ds Mark II is a pleasure to hold and use.

Additional Step-up Features

- ◆ RGB histogram enables separate checking of color information for the red, green and blue channels, as well as inspection of other colour information including white balance, color balance, saturation and gradation compression.
- ◆ Record voice annotations for up to 30-seconds via a built-in mic, that can be attached to the image.
- ◆ Nine interchangeable focusing screens
- ◆ 100% viewfinder coverage with built-in eyepiece shutter
- ◆ IEEE 1394 (FireWire) interface
- ◆ Exposure and flash compensation ± 3 stops in 1/3 or 1/2-stop increments (vs. ± 2 stops)
- ◆ Flash Metered Manual and Bulb
- ◆ 2" LCD monitor with 230,000-pixels (actually smaller than the EOS-5D)

EOS-1D MARK III

10.1-Megapixel High-Speed Digital SLR Camera

Redesigned and re-engineered from the ground up, the EOS-1D Mark III is the “must have” DSLR for professionals. Years in development, nearly every component has been re-engineered to create a powerful, professional tool with unprecedented capabilities. While its predecessor, the EOS-1D Mark II_N, has been a favorite among sports photographers, the vastly improved features and performance of the EOS-1D Mark III make it an excellent choice for a wide range of professional applications, including wedding, studio, wildlife, press and sports photography.

10.1 megapixel CMOS sensor combined with significantly improved noise control results in outstanding image quality. It incorporates new autofocus and metering systems for even better performance— e.g., greater tracking accuracy with moving subjects and superior low-light capabilities. A new control interface makes it easier than ever to access the camera’s expanded feature set and obtain the desired results. Totally re-engineered image processing and recording systems includes Dual DIGIC III Image Processors operating in tandem to deliver dramatic improvements in both image quality and camera responsiveness. Innovative “pro”-oriented operating features result in greater working speed, convenience, and dependability. Last, the superb, all-new, all-metal body (including the mirror box) is designed for heavy-duty use but is lighter in weight for easier camera handling.



FEATURES

10-Megapixels

- ◆ 10.1 million pixels are more than enough for 13 x 19-” prints, output directly without interpolation, at 200ppi. Megapixels alone, however, do not determine image quality. While maintaining the same APS-H size sensor area (with 1.3x lens conversion factor), the new sensor boasts significant design improvements that further reduce digital noise and expand the useful ISO range. Specifically, the 1D Mark III exhibits 50% less shadow noise than its predecessor. The sensor also enables Live View shooting.

Dual DIGIC III Processors

- ◆ Canon's Digic III Image Processor sets new standards for picture detail, natural color reproduction, and processing speed. Moreover, the 1D Mark III uses not one, but Dual DIGIC III Image Processors operating in parallel to provide even greater data bandwidth. The resulting imaging engine handles the huge amount of data from the 10.1-megapixel sensor with tremendous speed. Card write speeds are faster, noise control is significantly better, and camera responsiveness has been even further improved.

Highlight Tone Priority

- ◆ An outstanding new feature of the 1D Mark III is the Highlight Tone Priority mode, which is activated via a Custom Function. When activated, it employs sophisticated processing algorithms to preserve greater detail in image highlight areas— a perennial problem for digital photographers, especially those who work in bright sunlight or contrasty studio lighting.
- ◆ Highlight Tone Priority actually expands the available range of capture in the highlights, yet it exacts no penalty in shooting speed nor burst rate. The benefits accrue to photographers who shoot RAW images as well as those who rely on in-camera processing.
- ◆ Highlight Tone Priority is a win-win proposition for nearly all working professionals. A sports photographer shooting white baseball uniforms in bright sunlight stands to benefit as much as a nature photographer shooting winter snow scenes or a wedding photographer seeking to preserve detail in the bride’s dress.

Revolutionary not Evolutionary

The EOS-1 designation has always been reserved for Canon’s top-of-the-line, “no-holds-barred” professional SLR cameras. The EOS-1 series consistently represented the pinnacle of film SLR camera technologies, and, as the world transitioned to digital, no less was expected of Canon’s EOS-1D series. Canon innovation has more than met the challenges of the digital era. And today, Canon EOS Digital SLR cameras are the number one choice of professional photographers all over the world. The rapid pace of technological development has made the periodic introduction of refined, evolutionary “new” camera models a necessity. So, it would be easy to mistakenly conclude that the new EOS-1D Mark III is yet another update to the impressive lineage. The truth is that everything about this camera—especially those features and performance areas most important to professionals—is more akin to revolution than evolution.

EOS-1D MARK III

New Viewfinder

- ◆ Canon engineers understand the importance of the viewfinder, especially in a professional camera. It must, after all, provide you with all the information necessary to successfully capture the decisive moment. Therefore, for the EOS-1D Mark III, Canon developed an entirely new optical system, employing a larger pentaprism for higher viewfinder magnification. The viewfinder image is clearer, sharper, and easier to see.
- ◆ The viewfinder provides full 100% coverage, which means what you see is what you get—no more, no less. In other words, the view in the finder precisely matches the captured image area. The finder also features an approximate magnification of 0.76x and a 20mm eyepoint.
- ◆ Includes -3 to +1 dioptic adjustment, as is an eyepiece shutter (with more readily visible gray blades).



- ◆ The viewfinder includes a full-time ISO indication as well as icons for metering mode in use, battery charge level (six steps), and JPEG and/or RAW recording.
- ◆ The 1D Mark III is equipped with the new Laser Matte Ec-C IV focusing screen, which provides improved optical performance. Background blur appears more natural, and graininess and flare are reduced. At the same time, the finder is brighter, especially at the edges and corners.
- ◆ As with all EOS-1 series SLR cameras, the 1D Mark III enables the professional photographer to choose from among a wide variety of Ec focusing screens. Currently, there are 11 optional screens available.
- ◆ As before, the mirror can be locked up to avoid vibration during shooting. A new feature provides the option to keep the mirror in the raised position until the user presses the SET button to lower it. This allows multiple shots to be taken with the mirror raised.

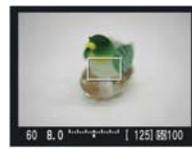
**Blazing Shooting Speed and Near-Instant Response**

- ◆ Fast response is desirable not just for sports or action photography. It can make the difference between capturing or missing that once-in-a-lifetime shot in just about any photographic genre. With its astounding 10 fps maximum continuous shooting speed, the EOS-1D Mark III is the fastest digital SLR ever. Even more remarkable when you consider the sheer amount of data movement associated with a 10.1 million pixel sensor.
- ◆ Incredibly responsive, it has a lag time of only 55ms (reducible to 40ms via Custom Function). At shutter speeds of 1/60 second and higher, the viewfinder blackout time is an ultra-short 80ms.
- ◆ It captures up to 110 consecutive full-resolution JPEG images or up to 30 RAW images in a single continuous burst (at shooting speeds up to the full 10 fps).
- ◆ The 1D Mark III has a high-speed shutter up to 1/8000 second. Flash sync speed is 1/300 second with Canon Speedlites. The continuous shooting rate can be freely changed using Custom Functions. The high-speed range provides choices from 2 fps to 10 fps. The low-speed range provides speeds from 1.3 fps to 9 fps.

3" LCD Monitor with Live View

In addition to its incredibly huge 3" LCD monitor, the 1D Mark III also features a sophisticated Live View shooting mode, which enables the photographer to use the LCD monitor as a real-time viewfinder. When the Live View mode is enabled, the reflex mirror is locked up and the shutter opens (manual focusing only). The image output from the CMOS sensor will be displayed in real time on the LCD monitor at 100% coverage.

A selectable portion of the image can be magnified by 5x or 10x to aid in precise manual focusing. Focus, exposure check, composing, and shooting can all be accomplished in this mode. It is very convenient for tripod-mounted



shooting, macro work, and other situations in which it is a physical strain to keep the eye at the viewfinder. The Live View image can also be displayed on a TV monitor connected via video-out. This feature is ideal for showing images as they are composed to clients and portrait subjects.

Studio photographers will also appreciate the PC Live View capability, which enables the image at the sensor to be displayed on a computer monitor. With Canon EOS Utility software installed on the computer, the user can check and adjust focus and composition in real time. You can even fire the camera remotely from the computer. Connection between the camera and computer can be via USB cable or, with the optional WFT-E2A Wireless Transmitter, via wireless LAN. The wireless option enables all Live View capabilities at a distance of 150' or more.

EOS-1D MARK III

More Versatility

- ◆ Even more flexibility can now be achieved with external storage media, connected via USB 2.0 Hi-Speed interface, to the optional WFT-E2A Wireless Transmitter. Select external bus powered USB hard drive, for example, can be connected in this manner and recognized by the camera as a storage drive. Such a drive can be accessed in the same way as an installed memory card. Images can be shot and copied on the connected hard drive as they are being taken.
- ◆ Extensive file naming options lets you choose a factory-set 4-character prefix (unique to each camera) or define a unique 4-character prefix of their own choosing for file naming. The user can also define a 3-character prefix, saving the fourth character position for letter code (assigned by the camera) that identifies image size setting. This enables photographers to quickly identify image size by file name instead of having to open the files in a viewing application.
- ◆ Users can add aspect ratio information to their image files. This facilitates automatic cropping (via the included DPP software) to 8 x 10", 5 x 7", 3 x 4", 10 x 12", 6 x 7", and even 6 x 6" square proportions.
- ◆ The 1D Mark III offers the widest ISO range of any digital SLR in the world. The standard range is 100–3200, and the extended ISO range is a remarkable 50–6400. The low-noise performance at high ISO settings makes the entire range usable in real-world shooting situations.
- ◆ The analog signal output of the imaging sensor must be converted to digital data before it can be processed by the DIGIC III engine. Whereas earlier EOS Digital SLR cameras used 12-bit A/D (analog-to-digital) converters, the 1D Mark III employs new 14-bit converters. This ensures smoother tonal transitions and more natural gradations.
- ◆ Up to five Custom White Balance settings can now be stored in-camera for instant recall. Each can also be given a user-defined name (selected and applied right on the camera's LCD monitor), so there's no guessing about which Custom WB setting is which. Beyond that, up to five additional "Personal" White Balance settings can be created and saved on a computer using supplied software and uploaded to the camera.

New EOS Autofocus Technology

The EOS-1D Mark III incorporates new Canon autofocus (AF) technologies that bring about improvement in key performance areas for most professional users. The area-type AF system has 19 selectable high-precision cross-type points plus 26 assist points for a total of 45 AF points. The cross-type sensors offer added precision when shooting with f/2.8 and faster lenses. The superior speed, precision, and low-light sensitivity of this new system will be especially noticeable when shooting with f/2.8 zoom lenses.

- ◆ At first glance, the view through the finder may appear to be the same as previous EOS-1D series cameras. The AF system used in the 1D Mark III, however, is of an entirely new architecture and operates differently. Note that, for the first time, cross-type points are now available at the outer edges of the sensor oval as seen in the viewfinder.
- ◆ The 26 additional assist points enable the user to expand the coverage area of any manually selected primary AF point. An assist point can be added to either side of a selected AF point, or a ring of six AF points can be activated around a manually selected point. Assist points can be added to any of the 19 selectable primary AF points. Moreover, Assist points can be used not only in the AI Servo AF mode but also in the One-Shot AF mode.
- ◆ AF Micro-adjustment is another example of the flexibility and power of the Mark III's AF system. If a critical photographer ever finds that his system seems to consistently focus slightly in front of or behind the intended subject, the AF Micro-adjustment (C.Fn III - 07) allows the user to adjust this in fine increments to put the sharpest plane of focus back where they'd like it to be. It even allows different adjustments for up to 20 different Canon EF lenses if necessary.
- ◆ The EOS-1D Mark III uses an entirely separate AF processing unit, dedicated solely to AF operations, including driving the lens. This dedicated CPU design performs AF computations three times faster than with the previous EOS-1D Mark II N. The faster AF detection and computation make it possible to achieve its 10 fps maximum shooting speed with full AI Servo tracking.
- ◆ The new area-type AF sensor features increased pixel sensitivity, which delivers markedly improved focusing performance in low-light situations. Compared to the 1D Mark IIN, the new Mark III offers AF sensitivity one full stop better in dark scene areas.
- ◆ Overall, the new AF system is better able to detect and react to a grossly out-of-focus image, more quickly driving the lens to proper focus. In addition, important new Custom Function control over AF gives the photographer numerous ways to tailor camera AF operation to specific shooting needs. The user can, for example, quickly switch between the inner and outer nine primary AF points. The new AF system can better adapt to sudden changes when tracking moving subjects, and the photographer can control how the camera responds to events, such as the sudden full press of the shutter release button.



57 Custom Functions and 'Silent Mode'

- ◆ Custom Function set now includes the "Personal Function" of previous EOS-1D series cameras. All functions, therefore, are now in-camera and available at all times. More than a dozen entirely new or modified Custom Functions have been added. Furthermore, all Custom Functions have been reorganized into four groups for easier, more intuitive menu access.
- ◆ The 1D Mark III has a built-in "silent mode" which is extremely useful whenever quieter shooting is required. This mode reduces the camera's sound level as it re-cocks the shutter after a picture is taken. Furthermore, if you keep the shutter button fully depressed after taking a picture, the silent mode delays the "advance" until the finger is lifted off – allowing you to very discreetly shoot in situations where noise might be a problem. This mode can be set as one of the camera's Drive options (indicated by an icon on the top LCD panel) for quick access when needed.

EOS-1D MARK III

Dual Memory Card Slots

- ◆ Separate CF and SD card slots immeasurably enhance the camera's versatility. The SD card slot is fully compatible with high-capacity SDHC cards. These two card slots can be used in combination in a variety of ways to improve, performance, capacity, convenience, and data security:
 - Overall recording speed to memory cards has been significantly improved.
 - Images can be recorded to both cards at the same quality settings so that an instant backup is created.
 - Images can be recorded to both cards at different quality settings... and, now, the quality setting can be freely selected from all available choices for either card.
 - The two cards can be used in an automatic switchover mode so that should one card become filled to capacity during shooting, image recording continues without delay onto the second card.
 - An Image Copying mode enables images already recorded on one card to be copied to the second card. Entire folders can be copied if desired.
 - Should the card door be opened while images are being recorded, the recording will not be interrupted. Data will continue to be written, and a warning message will appear on the LCD monitor.

Data Security Kit OSK-E3

Canon's optional advanced data verification hardware/software kit for Windows consists of a



USB card reader/writer, a dedicated original Data Security Card, and software.

- ◆ The system can verify the originality and integrity of image data. It can also identify specific data elements (image pixels, EXIF text, GPS info, etc.) that have been altered.
- ◆ Photographers can now encrypt their image files to prevent unauthorized viewing or wireless theft. Encrypted images can be viewed only on personal computers equipped with the necessary OSK-E3 decoding engine.

EOS Integrated Cleaning System

The EOS-1D Mark III incorporates the latest version of Canon's advanced EOS Integrated Cleaning System, which effectively deals with the problem of dust accumulation on the imaging sensor using a three-pronged approach:



1. Avoiding dust in the first place. The IR-cut filter, which is the first structure in front of the CMOS sensor, is both specially treated with anti-static coatings to resist dust, and furthermore is electronically grounded to minimize static electricity buildup. Beyond that, special attention was paid to the shutter and other components, to insure that the camera does not generate tiny particles that could become attached to the IR-cut filter.
2. Dust that settles on the front of the sensor unit is removed via a Self-Cleaning Sensor Unit that uses ultrasonic vibration. The cleaning takes about 3.5 seconds, and it is automatically activated whenever the camera is powered on or off. The cleaning routine can also be activated manually via the menu system. The shutter release button always has overriding priority; hence, the cleaning system never hinders camera readiness. The ultrasonically removed dust adheres to a special collecting collar positioned around the sensor.
3. Using software to "map out" any dust that might still remain. By photographing a plain white subject at infinity focus, the user can acquire Dust Delete Data identifying the position of any dust particles remaining on the sensor area. The data is appended to the image file and can be used by Digital Photo Professional (DPP) 3.0 to automatically erase dust spots.

Unprecedented Reliability and Durability

The entire body of the EOS-1D Mark III, including its internal chassis and mirror box, is made of an advanced magnesium alloy. Exceptionally strong and rigid, this alloy ensures dependable camera performance. At the same time, it makes the camera lighter for improved handling and maneuverability. Extensive weatherproofing ensures superior reliability, even when shooting in harsh environments. Rubber gaskets are used at nearly every joint and seam—including around the battery compartment cover, memory card door, and hot shoe—to keep out moisture and dust. The 1D Mark III features an improved heavy-duty shutter that has been durability tested to 300,000 cycles—the highest in all autofocus SLR cameras. The camera thus ensures long service life.

Wireless File Transmitter WFT-E2A

The optional Wireless Transmitter WFT-E2A offers many new features that the professional photographer will find indispensable. While it retains the best features of the WFT-E1A such as an Ethernet (hard wired) connection and 802.11 b and g, it now is much easier to set up and use.

Utilizing the onboard connection wizard the WFT-E2A can connect in three ways. In HTML Server mode up to three users can securely log in to the camera to browse and download selected images with a standard web browser. PTP connectivity allows the user to easily connect a single camera to a computer. Of course, FTP transfer is still offered, with simplified connection interface, for secure transmission to a computer on your network or over the internet. USB 2.0 Hi-Speed host capability allows GPS data from many popular receivers to be embedded in EXIF data as well as allowing the photographer to shoot directly or back up image data to many commercially available bus powered external storage devices.

The WFT-E2A is much smaller and lighter than its predecessor, allowing full access to the camera's external sockets while maintaining the weather resistance and durability of the camera body and offering faster communication between the camera and the transmitter. It has a small built in antenna capable of wireless communication at distances up to 150 feet. It is powered by the camera's battery reducing the extra equipment the photographer needs to carry.



EOS-5D • EOS-1DS MARK II • EOS-1D MARK III

	EOS-5D	EOS-1Ds Mark II	EOS-1D Mark III
Effective Resolution	12.7 Million Pixels	16.7 Million Pixels	10.1 Million Pixels
LCD Display (Size, Pixels)	2.5" TFT, 230,000	2.0" TFT, 230,000	3.0" TFT, 230,000
Image File Formats	JPEG (Fine, Normal) RAW RAW+JPEG simultaneous	JPEG (Fine, Normal) RAW RAW+JPEG simultaneous	JPEG (DCF 2.0 & Exif 2.21) RAW (.CR2) RAW+JPEG simultaneous recording possible
Color Modes	sRGB, Adobe RGB, Monochrome Six preset Picture Style settings plus three user-defined custom Picture Style function with individual adjustments for sharpness, contrast, saturation and color tone	Full Color (Five standard color space types plus two color space types that can be registered with custom color matrix)	sRGB, Adobe RGB Picture Styles (Standard, Portrait, Landscape, Neutral Faithful, Monochrome, 3 user defined)
Optical Image Stabilization	Supports Canon IS and equivalent lenses	Supports Canon IS and equivalent lenses	Supports Canon IS and equivalent lenses
Focus Type	TTL-CT-SIR AF-dedicated CMOS Sensor AF System with 9 AF points (plus 6 invisible Supplemental AF points) and AF-assist Beam (with Speedlite 580EX and 430EX)	TTL-AREA-SIR with AF-dedicated CMOS Sensor with 45 AF points (Area AF)	TTL-AREA-SIR AF-dedicated CMOS sensor (19 cross-type AF points plus 26 Assist AF points)
Exposure Control Selectable	100-1600 ISO speed can be expanded to ISO 50 and 3200	100-1600 ISO speed can be expanded to ISO 50 and 3200	100-3200 ISO speed can be expanded to ISO 50 and 6400 (via C.Fn I-3)
Shutter Speed (seconds)	30 - 1/8000	30 - 1/8000	30 - 1/8000
Mirror Lock-Up	✓	✓	✓
Exposure Metering	TTL metering with 35-zone SPC; Evaluative metering (link to all AF points), Partial metering (approx. 8% of viewfinder), Spot metering (approx. 3.5% of viewfinder), Center-weighted average metering	21-zone TTL full aperture metering; Evaluative metering (linkable to any AF point), Partial metering (approx. 8.5% of viewfinder at center), Spot metering (Center spot metering, AF point-linked spot metering, Multi-spot metering (Max. 8 spot metering entries)), Center-weighted averaged metering	63-zone TTL full aperture metering (Evaluative, Partial, Spot, Center-weighted average) with a Metering Range of EV 0-20 (ISO 100)
External Flash Connection	Dedicated Hot Shoe, PC terminal	Dedicated Hot Shoe, PC terminal	TTL Hot Shoe & PC Socket
External Flash Control	E-TTL II autoflash with EX-series Speedlite	E-TTL II autoflash with EX-series Speedlite	E-TTL II autoflash with EX-series Speedlite
Max Flash Synchronization Speed	1/200 second	1/250 second	1/300 second with EOS Speedlites 1/250 max. with other shoe-mount flashes 1/60 with studio strobes
Start-Up Time	0.2 seconds	0.3 second	0.2 seconds
Shutter Lag	0.0075 seconds	0.055 second	0.055 seconds
Time Between Shots	Less than 0.4 seconds	Less than 1 second	Less than 1 second (single mode)
Burst Capability	3 fps Continuous up to 60 frames	4 fps up to 32 shots	High-speed continuous: 10 fps
Compatible Memory Cards	CompactFlash (CF) Card (Type I & II)	CompactFlash (CF) Card (Type I & II) Secure Digital (SD) card	CompactFlash (CF) Card (Type I & II) Secure Digital (SD/SDHC) Memory Card
Computer Interface	USB 2.0	FireWire for computers, USB for direct printing	USB 2.0
Direct Print Capability	CP Direct, Inkjet direct, PictBridge	PictBridge, CP Direct, Bubble Jet Direct	PictBridge
Battery Type	BP-511A Lithium-Ion compatible with CR2016 Lithium Battery for backup power	NP-E3 NiMH Battery Pack	LP-E4 Li-ion
Power Adapter	CA-570 Compact Power Adapter (optional)	DCK-E1 DC-Coupler Kit	ACK-E4 AC Adapter Kit (included)
Dimensions (HxWxD) (Body Only)	4.4 x 6.0 x 3.0"	6.2 x 6.1 x 3.1"	6.2 x 6.1 x 3.1"
Weight (Body Only)	28.6 oz.	42.9 oz.	40.7 oz.

EOS-5D • EOS-1Ds MARK II • EOS-1D MARK III

Batteries and Chargers



BP-511A Rechargeable Lithium-Ion Battery (CABP511A): For the EOS-5D (repl.)**49.95**

Compact AC Power Adapter (CACAPS700): For the EOS-5D**59.95**

Charger (CACB5L): For BP-511A (repl.)**39.95**

Dual Battery Charger (CACG570): For BP-511A batteries. Requires Compact AC Adapter ..**89.95**

Portable Wall Charger (CACG580): For BP-511A battery**59.95**

Compact Dual Bay Charger (CACAPS400): For BP-511A batteries. Note: The charger will only charge one battery at a time**99.95**

Vertical Grip/Battery Holder (CABGE4): For the EOS-5D. Holds two BP-511A battery packs to offer double-length shooting time or six AA batteries as a power backup when on location. The vertical shutter release makes shooting with the camera in a vertical position just as comfortable as shooting horizontally**219.95**

Compact AC Adapter (CACA570): For the EOS-5D (and charger for BP-511A when used with the Dual Battery Charger)**89.95**



NP-E3 Rechargeable NiMH Battery (CANPE3): For EOS-1Ds Mark II (repl.)**119.95**

Fast Dual Battery Charger/Discharger (CANCE2): For NP-E3 battery (repl.) **319.95**

AC Adapter/DC Coupler Kit (CADCKE1): For the EOS-1Ds Mark II**109.95**

Remote Control Accessories

These accessories are handy for taking pictures of subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure.

LC-5 Wireless Controller (CALC5S)

An infrared strobe-type wireless control system with a maximum range of 330' (several sets can be linked together for further extension.)

- ◆ There are 4 control modes: single exposure, continuous exposure, test and 3.5-second delay.
- ◆ 2-stage switch enables individual control of metering and shutter release.
- ◆ Three transmitter channels are available, as well as an "All" position for operating several cameras from an individual transmitter via multiple receivers.
- ◆ The receiver can be mounted on the camera hot shoe, but the set also comes supplied with a mounting bracket that leaves the hot shoe free for a flash.
- ◆ Powered by 8 AA Alkaline, Nicad or NiMH rechargeable batteries (4 for transmitter and 4 for receiver).



IMP. 369.95/USA 399.95

Remote Switch RS-80N3 (CARS80N3): Remote switch with a 2.6' cord to prevent camera shake for super telephoto shots, macro photography, and bulb exposures. It works just like a shutter button, enabling halfway or complete pressing. It also has a shutter release lock. Quick-lock connects to the camera's remote control socket**49.95**

Timer Remote Controller (CATC80N3): Remote switch with a 2.6' cord, a self-timer, interval timer, long-exposure, and exposure-count setting feature. The timer can be set anywhere from 1 sec. to 99 hours, 59 min, 59 sec. A dial enables you to easily enter the numeric settings with a single thumb. The LCD panel can also be illuminated**132.95**

Extension Cord ET-1000N3 (CAET1000N3): 33' extension cord for connecting the EOS-5D/1Ds Mark II with the Timer Remote Controller or Remote Switch**74.95**



Remote Switch 60-T3 (CARS60T3): An electronic cable release handy for taking pictures of subjects that are difficult to approach, or to minimize vibration for close-ups and time exposure. Fitted with a 2' cord and 3-pin terminal for independent control of light metering and shutter release. (Requires Remote Switch Adapter RA-N3)**41.95**

Remote Switch Adapter RA-N3 (CARAN3): This adapter allows the Remote Switch 60-T3 to be used on the EOS-5/1Ds Mark II**43.95**

Cable Release Adapter T3 (CACRAT3): This adapter accepts a conventional mechanical cable release, and allows it to be used on the EOS-5/1Ds Mark II (via their electronic T3-type remote control socket)**27.50**

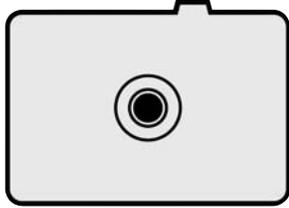
Extension Cord ET-1000T3 (CAEC1000T3)
33' cable can be used to extend any other T3-type accessory**34.95**

WFT-E1A Wireless LAN File Transmitter (CAWFTE1)
For the EOS-5D and EOS-1Ds Mark II**999.95**

ERA-E1: Extended Range Antenna (CAERAE1)
For the WFT-E1 Wireless Transmitter. Works up to 150 meters**199.95**

EOS-1DS MARK II • EOS-1D MARK III

FOCUSING SCREENS FOR EOS-1DS MARK II & EOS-1D MARK III



Ec-A Microprism

Ec-A Microprism (CAFSAE1)

Matte field with microprism focusing spot in the center. Used for general photography with all lenses, best results obtained when using an aperture of $f/5.6$ or faster.....**32.95**

Ec-B New Split (CAFSBE1)

Matte field with split-image focusing spot in the center. Used for general photography with all lenses.....**32.95**

Ec-C III Laser-Matte (CAFSCEIV)

Matte screen with an outer AF ellipse and an inner spot metering reference circle. Compatible with all EF lenses**32.95**

Ec-D Laser-Matte with Selections (CAFSDE1)

Matte field with sections. Grid lines assist in determining accurate picture composition. Especially suited for close-up photography or copy work using EF macro lenses. Can also be used for general photography with all lenses.....**32.95**

Ec-H Laser-Matte with Scale (CAFSHE1)

Matte field with vertical and horizontal scales marked in millimeters. Effective for close-up and photomicrography. Useful in determining magnification ratios and composition. Use with all lenses**32.95**

Ec-I Laser Matte with Double Cross-Hair Reticle (CAFSIE1)

Matte field with clear center spot containing double cross-hair reticle. Focusing is possible using the floating image of the central cross-hair. Use for photomicrography and astrophotography**32.95**

Ec-L Cross-Split Image (CAFSLE1)

Matte field with cross-split image in the center, which divides the subject in half both vertically and horizontally for accurate manual focusing. Used for general photography with all lenses, best results obtained when using an aperture of $f/5.6$ or larger**32.95**

Ec-N Bright Laser-Matte (CAFSNE3)

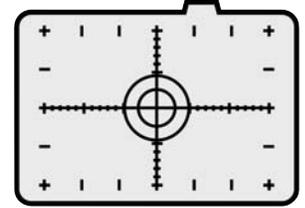
Approximately 1/2 stop brighter than the standard Ec-C III Laser-Matte screen, this screen features an outer AF ellipse that defines the coverage of the 45 AF points, and an inner spot and FEL metering reference circle. Compatible with all EF lenses.**32.95**

Ec-R Overall Bright Laser-Matte (CAFSREINRS)

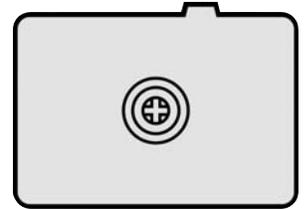
This screen compensates for decreased viewfinder brightness due to the low reflection factor of the pellicle mirror. It is about 1/2-stop brighter but otherwise similar to the Ec-CIII focusing screen**32.95**

Ec-1Ds Crop Line Focusing Screenshot Set (CAFSECCLIDS)

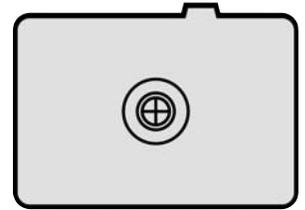
Consists of two screens, one delineating a square format and the other a 4x5/8x10 format. The Crop Lines set is comprised of screens with the aspect ratio area marked with a thin border. Based on the Ec-CIII, but incorporate a crop line to aid in shooting to a fixed aspect ratio. Both screens are otherwise identical to the standard screen and no adjustment is required for proper ambient or flash metering.**119.95**



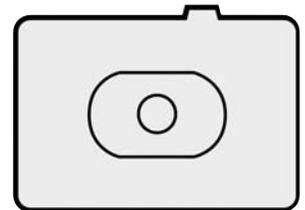
Ec-H Laser-Matte with Scale



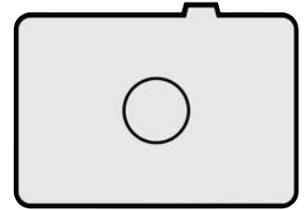
Ec-I Laser Matte/Double Cross



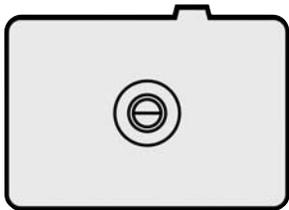
Ec-L Cross-Split Image



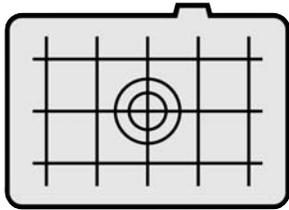
Ec-N Bright Laser-Matte



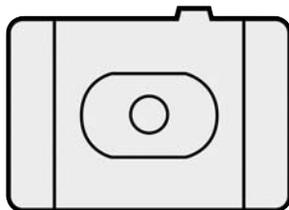
Ec-R Overall Bright Laser Matte



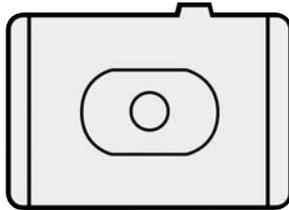
Ec-B New Split



Ec-D Laser-Matte with Selections



Ec-1Ds with square format lines



Ec-1Ds with 4x5/8x10 crop lines

EOS-5D • EOS-1DS MARK II • EOS-1D MARK III

VIEWING ACCESSORIES

For more customization, many of Canon's EOS cameras are compatible with a vast choice of eyecups, diopter lenses and more for greater versatility in a number of shooting situations.

Eyecup Eb (CAECEB):

Provides cushioning and shields stray light. This eyecup is a replacement for the EOS-5D**11.95**



Eyecup Ec-II (CAEC2)

For soft eye contact even when wearing glasses. It fits onto all film and digital EOS 1 series cameras, and is a replacement for the EOS-1Ds**14.95**

Rubber Frame Eb (CAFEB¹)

Replaces the standard eyecup when used with Diopter Adjustment Lens E. For the EOS-5D**9.95**



Rubber Frame Ec (CAFEC)

Replaces the standard eyecup when used with Diopter Adjustment Lens E. For the EOS-1Ds Mark II and EOS-1D Mark III**14.95**



Rubber Eyecup Eg

Replacement eyecup for the EOS-1D Mark III.



EP-EX15 Eyepiece Extender (CAEPEX15)

Designed for the EOS-1v, the EP-EX15 extends the eyepiece by 5/8" (15mm) from the camera body and reduces viewfinder magnification by 30%. Useful for eyeglass wearers to prevent the tip of the nose from touching the camera body**17.95**



Anti-Fog Eyepiece Ec (CAEPAFE1)

This eyepiece uses specially treated advanced-process glass, which prevents condensation or fogging. Designed for use in warm and humid or cold weather, when fogging is most likely to occur**39.95**



Angle Finder C (CAFAC)

Lets you adjust the viewing angle, while providing a 2.5x magnification for critical focusing, or a full-screen image (1.25x) that includes exposure data. Provided with built-in diopter adjustment. Includes Ec-C & Ed-C adapters to fit any EOS camera**179.95**



DVK-E2 Data Verification Kit (CADVKE2)

Used with the EOS-5D and EOS-1Ds Mark II, the DVK-E2 can prove it's images are unaltered, original files. Consisting of a dedicated memory card, a Secure Mobile (SM) card reader, and special software for Windows 2000/XP, the DVK-E2 is able to verify that image files from EOS-5D and EOS-1Ds Mark II are absolutely unaltered. The system is so precise, that even the slightest discrepancy is detected. This may well be a landmark for digital imaging in law enforcement and other documentary uses. When the EOS-5D and EOS-1Ds Mark II user shoots with the verification system activated (P.Fn-31), a code is automatically generated based on the image contents and attached to the image. When the image is viewed, the data verification software determines the code for the image and compares it with the attached code. If the photo has been retouched in any way, the codes will not match, thus verifying that the image is not the original**699.95**



DIOPTRIC ADJUSTMENT LENSES

These Diopter Adjustment Lenses provide near and far-sighted users a clear viewfinder image without their glasses. Available in ten types from +3 to -4 dpt to match your eyesight. Each type fits into the eyepiece holders of the indicated EOS models for convenient use and comfortable fit.

..... **For EOS-5D and EOS-1Ds Mark II**

- +2 Lens E (CADP2E)**13.95**
- +1.5 Lens E (CADP1.5E)**13.95**
- +1 Lens E (CADP1E)**13.95**
- +0.5 Lens E (CADP.5E)**13.95**
- 0 Lens E (CAD0E)**13.95**
- 2 Lens E (CADM2E)**13.95**
- 3 Lens E (CADM3E)**13.95**
- 4 Lens E (CADM4E)**13.95**

..... **For EOS-1D Mark III**

- +3 Lens Eg**Call**
- +2 Lens Eg**Call**
- +1.5 Lens Eg**Call**
- +1 Lens Eg**Call**
- +0.5 Lens Eg**Call**
- 0 Lens Eg**Call**
- 0.5 Lens Eg**Call**
- 2 Lens Eg**Call**
- 3 Lens Eg**Call**
- 4 Lens Eg**Call**

FLASHES & ACCESSORIES

SPEEDLITE 220EX

Designed for automatic operation only, the 220EX features E-TTL evaluative pre-stored flash exposure control, FE Lock and FP Flash (High Speed Sync) for flash photography up to top shutter speed. When in E-TTL mode, flash exposure is measured and controlled by the camera. Subject position, ambient light level, evaluative metering and pre-flash data are instantly analyzed, including backlighting or reflections. Runs on 4 AA batteries (alkaline, lithium or nicad).

- ◆ Recycling Time: 0.1 to 4.5 sec.; Flash Capacity: 250 to 1700
- ◆ Flash Range: 2.3 ft./0.7m to 63 ft./22m (ISO 100)

Speedlite 220EX (CA220EX)IMP. 114.95 / USA 119.95



SPEEDLITE 430EX

Powerful yet affordable, the E-TTL-compatible 430EX is designed to unlock your creative capabilities while still maintaining exceptional ease of use. It features a fully swiveling bounce head that automatically zooms over a range of 24-105mm, while wireless E-TTL compatibility permits it to function as a "slave" triggered by a 580EX; ST-E2, or MR-14EX/ MT-24EX.

- ◆ Guide Number 141 (ISO 100, feet) at 105mm; 101 at 35mm setting
- ◆ Wide-angle pull-down panel covers 14mm lens (full-frame camera)
- ◆ Bounce upward to 90°; swivel right (to 90°) and left (to 180°)
- ◆ Auto conversion of flash zoom coverage with compatible digital SLRs
- ◆ White balance info sent instantly to compatible digital SLRs
- ◆ Full E-TTL flash operation including high-speed FP sync mode, and FE Lock (spot / partial flash metering)
- ◆ Six flash custom functions built in (set on rear LCD panel)
- ◆ 14% lighter and approx. 25% smaller than the 580EX II

Speedlite 430EX (CA430EX)IMP. 234.95 / USA 239.95

ST-E2 SPEEDLITE TRANSMITTER

A master control device for a wireless flash system, the ST-E2 eliminates the need for any connecting wires. Mounted as a clip-on with shoe lock lever and locking pin, the ST-E2's dedicated transmitter controls an unlimited number of 430EX or 580EX II Speedlites as slave units up to 33' away outdoors and 49.5' outdoors. Sets and controls all functions of the slave units. Flash ratios, for example, are controllable between two groups of 430EX and/or 580EX II Speedlites, over a six-stop range.

ST-E2 Speedlite Transmitter (CASTE2)209.95



MR-14EX MACRO RING LITE

Dramatically enhance your close-up and macro capabilities. It incorporates E-TTL autoflash control to achieve more natural flash pictures. In addition to Guide Number 14/46 (at ISO 100, m/ft.), photographers can take advantage of high-speed sync (FP flash), flash exposure lock (FEL), flash exposure bracketing (FEB), and variable power manual flash. Circular twin flash tubes can fire at even power, or varied between them over a six-stop range, and one or more 550EX Speedlites can be used as wireless slaves along with the MR-14EX.



MR-14EX and MT-24 EX Common Features

- ◆ Attach directly to EF 50mm f/2.5, 100mm f/2.8, and MP-E 65mm Macrophoto Lenses (can also be used with EF 180mm f/3.5L Macro USM via Macrolite Adapter 72C). Illuminated LCD panel for easy flash settings in any lighting condition.
- ◆ Incandescent focusing lamps and two forms of modeling flash permit preview of lighting effects.
- ◆ Powered by AA-size alkaline, lithium, nicad and NiMH batteries. They can also accept optional external battery packs (Canon Compact Battery Pack CP-E2 and Transistor Pack E).

MT-24EX MACRO TWIN LITE

Gives close-up, nature, and macro enthusiasts a different option in macro lighting—a



directional quality of light, as opposed to the rather "flat" character of the traditional ring lite. Two separate flash heads can be swiveled around the lens, can be aimed separately, and even removed from their holder and mounted off-camera. The MT-24EX is fully E-TTL compatible with all EOS bodies and even allows wireless E-TTL flash control with one or more 550EX and/or 420EX "slave units". Provides easy ratio control of each flash head's output, over a six-stop range.

- ◆ Each head can be rotated around lens in an 80° arc, swiveled inward/outward over a 90° arc, and up/down over a 90° arc.
- ◆ Each head is removable, and has both a standard shoe-mount and 1/4-20 tripod socket at the base to facilitate mounting off-camera.
- ◆ Powerful guide number (72 ft/22m) allows smaller apertures and greater depth-of-field when necessary.

USA= Imported & Warrantied by Canon USA IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

FLASHES & ACCESSORIES

SPEEDLITE 580EX II

Replacing the popular Speedlite 580EX, the new Speedlite 580EX II Flash features a host of improvements, including a metal hot shoe with an improved locking mechanism for added durability, an external metering sensor for non-TTL automatic flash exposure control and a PC socket for use with non-dedicated slave triggers. It is also designed to match with the EOS-1D Mark III in terms of improved dust- and water-resistance, body strength, and the ability to control flash functions and settings from the camera menu (EOS-1D Mark III only). Other features include improved communication reliability through its direct contacts, 20% faster recycling time than the 580EX and is completely inaudible.



Canon's flagship Speedlite, the 580EX II is a powerful flash with a maximum guide number of 191 at ISO 100 in feet (at 105mm), it offers more consistent color, and enhanced controls that all photographers, especially those who shoot digital, will find useful.

It is compatible with Canon's E-TTL II auto exposure, which utilizes subject distance and other information to automatically modify flash power, when it used with a compatible Canon camera and lens. Ideal for photographers that shoot high contrast or reflective subjects, like those encountered in wedding photography.

For intuitive control, the 580EX II's control dial, SET button and high-speed sync/shutter curtain synchronization button put all major functions at the photographer's fingertips. A new AF-assist beam is better matched to the different focusing point arrangements of various EOS SLRs.

Flash head swivels 180° in both directions, while a single release lock controls tilt and swivel adjustments. Wide-angle diffuser covers a 14mm focal length, and a catchlight reflector provides optimal lighting quality during bounce-flash photography. For convenience, 14 custom functions allow maximum control over various flash functions such as recycling with external power.

Fully compatible with all EOS SLRs, the Speedlite 580EX II is gasketed for dust and moisture resistance, making it possible for users of EOS-1 class digital SLRs and many L-series EF lenses to use flash safely when shooting in dusty or wet environments.

Speedlite 580EX II (CA580EX).....IMP. CALL / USA 499.95

Speedlite Cord



Off-Camera Shoe Cord 2 (CASC20C)
Allows you to use your Speedlite off camera (up to 2') while maintaining all on-camera flash functions.....**49.95**

Camera Straps

Neck Strap L4 (CAL4)
For the EOS-1Ds Mark II and EOS-1D Mark III.....**19.95**

Neck Strap L3 (CASNL3)
For the EOS-1Ds Mark II and EOS-1D Mark III.....**22.50**

EW-100 Wide Camera Strap
1.5" wide strap designed to carry the EOS-1Ds Mark II and EOS-1D Mark III or other cameras safely and comfortably. It is available in Marble and Blue (CASWMBE), Red (CASWRE) and Black (CASWBE) color.....**14.95**

E1 Hand Strap (CASHE1)
Designed for cameras that have a built-in power booster or grip, or where an optional power booster or extension grip has been added, the E1 Hand Strap adds security to hand-holding the camera. The strap attaches with one end to the eyelet at the top of the camera, and the other end to the eyelet in the base of the booster/grip. Requires the BG-E2 Battery Grip.....**22.95**

Optional Battery Packs for Canon Speedlites



CP-E3 Compact Battery Pack (CACPE3)
Accepts 8AA-size alkaline, nicad or lithium batteries (for all Speedlites except the 220EX)**139.95**

Transistor Pack E (CATPE)
External battery pack for all Speedlites except the 220EX. Powered with the included Battery Magazine TP (which holds six C-size alkalines), or the optional rechargeable Nicad Pack TP. Includes Battery Magazine TP and Connecting Cord ET**141.95**

Transistor Pack E NiCd Set (CATPENS)
Includes NiCd Pack TP, Nicad Charger TP and Connecting Cord ET (for all Speedlites except the 220EX)**249.95**

NiCd Pack TP (CABNTP): For Transistor Pack E. Requires NiCd Charger TP.....**109.95**

NiCd Charger TP (CACTP): For NiCd Pack TP. Charges in 15 hours.....**53.95**

Battery Magazine TP (CABMTP)
Replacement battery insert for the Canon Transistor Pack E. Holds six C-size alkaline batteries**26.95**

EF-S LENSES

The Canon Digital Rebel XT/XTi, EOS 20D and EOS 30D incorporate APS-C sized sensors, which gives the focal length of EF-S lenses a 1.6x magnification effect over 35mm film format. Therefore, the focal length of an 18-55mm, for example, is equivalent to 29-88mm in the 35mm film format. The more compact size of the APS-C sensor means the camera's reflex mirror can also be smaller, making it possible to bring the back of the lens closer to the image sensor. The 'S' in the EF-S nomenclature stands for 'short back focus', which describes the system. By optimizing the EF-S lens coatings, Canon's engineers have effectively minimized the chance of flare and ghosting which are more prone to occur with digital cameras than with film cameras. The coatings reduce reflections off the rear of the lens to deliver crisp, undistorted digital images. The drive pattern of the lenses has been tailored to specifically match that of the Digital Rebel XT/XTi, EOS 20D and EOS 30D, for quiet, precise and fast auto focus.

The lenses incorporate an EMD (electromagnetic diaphragm), which in the widest apertures employs an almost perfectly circular barrel aperture. This provides the best blur effect in situations where the photographer is deliberately working with a small depth of field to isolate the subject.

While the Digital Rebel XT/XTi, EOS 20D and EOS 30D are compatible with the more than 60 EF lenses, the EF-S lenses will only fit them. A white lens mount index (in addition to the traditional red marking) differentiates these lens from other EF lenses and a rear rubber ring prevents any damage in the event that an inadvertent attempt is made to mount the EF-S lens on any other camera.



MACRO LENS

EF-S 60mm f/2.8 Macro USM (CA6028MEF)

A thoroughly modern design that's optimized for the EOS 20D/30D and Digital Rebel XT/XTi, the EF-S 60mm f/2.8 Macro is equivalent to a 96mm lens on a 35mm camera, with a floating optical system that can focus down to full life-size (1:1) magnification. Inner focusing, driven by a silent and powerful ring-type USM, means the lens' overall length never changes during focus. This lens is a wonderful multi-purpose lens that's equally at home shooting macro shots, portraits or available-light photos. Filter size is 62mmIMP. 374.95 / USA 384.95



EXTENSION TUBES

EF-12 II and EF-25 II Extension Tubes (CA)

Extension tubes are commonly used for macro photography and sometimes for closeup portraits. The result of using extension tubes is that the distance from the back of the lens to the film surface is longer, which means you can take photographs at shorter distances to the subject. Fully compatible with Canon Digital EF-S lenses, as well as standard photo EF and TS-E lenses, the Extension Tube EF 12 II is especially suited for close-focusing with wide-angle lenses. Compatible with all lenses, except 15mm f/2.8 fisheye, 14mm f/2.8L and MP-E 65mm f/2.8. The Extension Tube EF 25 II is recommended for lenses with a focal length of 50mm and up (EF-S 18-55mm) can be used at middle and tele zoom settings).

Extension Tube EF 12 II (CAETEF12Q)79.95

Extension Tube EF 25 II (CAETEF25Q)129.95



EF-S LENSES

ZOOM LENSES

EF-S 10-22mm f/3.5-4.5 USM (CA102235EF)

This exciting new zoom lens provides ultra wide-angle coverage to the EOS 20D/30D and Digital Rebel XT/XTi shooter. Equivalent to a 16-35mm zoom, it offers excellent performance and optics designed from the ground-up for digital SLR use. Three aspherical lens elements, plus a Super-UD element, assure image quality. Its ring-type USM means fast and silent AF along with full-time manual focus. It focuses as close as 9.5" filling the frame with subjects as small as 3.6 x 5.4". Inner focusing system (no front element rotation); length doesn't change if zoomed. Electronic diaphragm -- manually-set apertures stay constant from f/4.5 thru f/22. Filter size is 77mm.

EF-S 10-22mm f/3.5-4.5 USMIMP. 674.95 / USA 689.95



EF-S 17-55mm f/2.8 IS USM (CA175528EF)

This standard zoom lens has a large circular aperture that produces a shallow depth-of-field, creating background blur that draws attention to the photographic subject. The lens construction includes UD and aspherical elements, which deliver impressive image quality throughout the entire zoom range. Image Stabilizer lens groups shift to compensate for camera movement so that the image appears steady on the image plane, ensuring clear, crisp images, even in dim light. With a Ring-type USM, inner focusing and new AF algorithms, this lens achieves autofocus quickly and quietly, and with full-time mechanical manual focusing, manually adjusting the focus is possible even in AF mode. Filter size is 77mm.

EF-S 17-55mm f/2.8 IS USMIMP. 979.95 / USA 999.95

EF-S 17-85mm f4-5.6 IS USM (CA178545EF)

Equivalent to a 28-135mm lens, this compact and lightweight 5x zoom lens brings true wide-angle to tele coverage to EOS 20D/30D and Digital Rebel XT/XTi shooters. It has Canon's Image Stabilization system, allowing safe hand-holding at speeds up to three stops slower than otherwise possible. And of course, it's optically optimized for digital SLRs. A ring-type USM means both fast and silent AF, as well as full-time manual focus when in the AF mode. Close-focus to 1.15-ft. and at 135mm fill the frame with a subject only 3 x 4.4". Aspheric element with two aspherical surfaces utilized provide excellent optical quality. Circular aperture design offers natural highlights, even stopped down two stops. Non-rotating front element; lens length does not change during focusing. Filter size is 67mm.

EF-S 17-85mm f4-5.6 IS USM.....IMP. 499.95 / USA 515.00



EF-S 18-55mm f/3.5-5.6 USM (CA185535EF)

A standard zoom exclusively for the EOS 20D/30D and Digital Rebel XT/XTi shooter, the EF-S 18-55mm lens offer a focal length equivalent of approximately 28-90mm focal length. It is compact and ultra-lightweight with an impressive close-focusing ability of 0.9'. Weighing in at just 6 oz. and measuring only 2.5" in length, the EF-S 18-55mm f/3.5-5.6 USM produces exceptional image quality in an ultra-compact package. It features Canon's exclusive Micro USM II focusing motor technology for swift and silent AF, and optimized coating for digital imaging sensor to minimize ghost images and flare. Filter size is 58mm.

EF-S 18-55mm f/3.5-5.6 USM139.95

EF LENSES

EF lenses fuse state-of-the-art electronics with mechanical precision, and optical excellence. The fully electronic EF lens mount is unique among 35mm SLR cameras, operating silently with unmatched reliability due to the complete elimination of mechanical couplings. Every EF lens contains its own custom-designed autofocus motor and microprocessor. Many utilize Canon's exclusive Ultrasonic Motor (USM) technology.

Canon is also a leader in the use of aspherical lens elements, fluorite crystal, Ultra-low dispersion (UD) glass and other advanced optical technologies. Uniformly high optical performance results from the extensive use of exclusive Canon-developed manufacturing techniques in Canon's own factories, the world's largest for 35mm cameras and lenses.



Fully Electronic Mount System

In designing the EF lens mount, Canon engineers gave a lot more than just a way to quickly attach a lens to a camera body. The fully electronic mount system has none of the shock, operational noise, abrasion, slow response or design restrictions related to linkage mechanisms used to transfer data. Instead, about 50 items of information are exchanged as digital signals between the lens and camera in real time. This enables high-speed and precision control as well as improved reliability.

- ◆ Quiet, high-speed, high-precision AF from fisheye to super telephoto since the optimum actuator can be incorporated into each lens.
- ◆ Quiet, high-precision aperture, or digital diaphragm control.
- ◆ Allows the aperture to be stopped down to preview depth of field and helps increase shooting speed by keeping the aperture stopped down during continuous shooting sequences.
- ◆ Permits fully automatic diaphragm control with Canon tilt-shift TS-E lenses.
- ◆ Using variable-aperture zoom lenses, any manually set f/stop (except for maximum aperture) is maintained throughout the zoom range.
- ◆ Automatic compensation and display of the change in the lens' effective F-number when an extender is mounted between lens and camera.
- ◆ Self-test system using the lens' built-in micro-computer warns of malfunctions through the camera's LCD to help ensure high reliability.

Inner and Rear Focusing

An inner focusing lens has the focusing lens group(s) in front of the diaphragm, while a rear focusing lens has the focusing lens group(s) behind. Both systems allow the focusing lens group to be small. This minimizes the load on the actuator which drives the autofocus. In turn, the AF speed is faster. The whole optical system can also be made more compact. And, since the lens doesn't rotate during focusing, the effects of a circular polarizer or gel filter remain intact.

Floating System

Ordinary lenses (non-zoom) are designed to give the best results when the correction of aberrations is most effective. This is usually at the most commonly-used focusing distances. At other focusing distances especially at the closest focusing distance, aberrations tend to appear. Canon's floating system suppresses aberrations at close focusing distances. The system adjusts the gap between certain lens elements in correspondence to the focusing distance, effectively correcting the aberration. The result is high image quality with aberrations suppressed at all focusing distances.

Built-In Motor and EMD

EF lenses have a built-in AF motor for driving energy with lower transmission loss. The lenses also have an EMD (Electromagnetic Diaphragm) to electronically control the aperture with unmatched precision. The aperture can be set either with an electronic dial or with the electronic pulse signal sent according to the exposure reading.

Full-Time Manual Focusing

EF lenses have very high AF precision, quickly achieving optimum focus in almost any shooting situation. Most are also equipped with Canon's full-time manual focusing mode to make picture-taking even more flexible. Lenses with this feature let you switch to manual while in AF mode—overriding the autofocus mode. You can keep looking through the viewfinder and touch up the focus manually without switching the focus mode switch. Two type of manual focusing: Electronic manual where the rotation amount of the focusing ring is detected and the focusing motor is driven electronically. Or, mechanical focusing, where the rotation of the focusing ring adjusts the focus mechanically.

EF LENSES

Image Stabilizer

Canon has developed a series of truly unique lenses equipped with an Image Stabilizer (IS) function that let you capture photos that would otherwise be blurred due to camera movement, greatly expanding the range of handheld-camera photography.

To get sharp images when taking handheld pictures, the general rule of thumb is to set the shutter speed to 1/1 over the focal length, or the closest available setting on your camera. (i.e. 1/60 sec. with a 50mm lens, 1/250 sec. with a 200mm lens, 1/500 sec. with a 500mm lens and so on.) Generally, this is no problem, if all your pictures are taken outdoors on a bright, sunny day. But blurred pictures due to camera shake become more of a problem when taking pictures in dim light - at dusk, indoors, on a cloudy day. And the chance of getting blurred pictures is greater when using longer focal length lenses that magnify the image and any associated movement.

To overcome these problems, Canon developed the world's first SLR lens with a built-in image stabilizer. Electronic signals emitted by vibration-detecting gyro sensors are used to move the image-stabilizing lens group in parallel along the optical axis, providing clear picture quality at all times. Actual shooting tests result in improvement equivalent to using a shutter speed two steps faster. In many shooting situations where you are not allowed to use a tripod or flash, such as art museums and concert halls, Canon IS lenses are your ticket to sharper pictures.

Ultrasonic Motors (USM)

In order to achieve critical autofocus, the elements within a camera lens have to move quickly, quietly, and with exacting precision. To accomplish this, Canon developed the world's first lens-based Ultrasonic Motor (USM). Based on a totally new technology, the motor spins by ultrasonic oscillation energy. In effect, instead of a large, noisy drive-train system, electronic vibrations created by a piezoelectric ceramic element power the mechanical action of the lens. In a very broad comparison, it's like the difference between a mechanical watch with gears and springs and quartz-timed watch movement. Therefore, torque is constant and start and stop functions virtually instantaneous.

By making the autofocus operation almost inaudible and by accelerating the autofocus speed, this type of motor greatly expands the shooting possibilities for Canon photographers. There is virtually no whining noise as the lens focuses to distract the subject or draw attention to the photographer. Most important for the photographer in the field, the motor draws minimal power so the camera batteries last longer.



Ring-Type USM



Micro USM

You'll find two types of Canon Ultrasonic Motors in the camera lens system, each optimized for maximum efficiency and effectiveness. Ring-type USM-equipped lenses, found in large aperture and super telephoto designs, allow manual focusing without switching out of the auto mode. It's a direct-drive system that provides all the above advantages. Micro USM designs bring the performance benefits of Canon's USM technology to a wide assortment of affordable EF lenses. Extremely compact and light, this USM is even used on lenses as small as the EF 28-90mm and EF 22-55mm.

Whenever you have an image in mind, you must choose a lens which can put that image on film. And whatever that image may be, you can be sure that Canon has the lens you need. Whether it is a 15mm fisheye or a 600mm super telephoto, all Canon lenses feature the finest materials (especially the L-series lenses) and technologies. They include fluorite, UD glass, aspherical lenses, lens-based Ultrasonic Motors, inner and rear focusing, Image Stabilizers, and a fully-electronic interface.

L-Series Lenses

Canon lenses are renowned for their performance and optical quality. And no lenses have a better reputation among professional photographers than Canon's L-series lenses. Identifiable by a distinctive red ring around their outer barrel, these lenses use special optical technologies including Ultra-low Dispersion UD glass, Super Low Dispersion glass, Fluorite and Aspherical elements to truly push the optical envelope.



L-series telephoto lenses utilize Canon's UD glass to minimize the effect of chromatic aberration, sometimes called color fringing. UD glass provides outstanding contrast and sharpness in lenses like the 70-200 f/2.8L IS and 300mm f/4.0L IS. Even more effective are fluorite elements, used in high-end super-telephoto lenses like the EF 300mm f/2.8L IS and 400mm f/2.8L IS. A single fluorite element has the corrective power of two UD glass elements, which gives these L-series lenses their spectacular performance.

Wide-angle lenses and fast normal focal-length lenses often suffer from another optical problem, spherical aberration, which causes an overall softening and optical "smearing" of the image. Canon has developed four different manufacturing technologies to produce Aspherical lens elements, which combat this problem. Aspherical optics, which have an extremely precise variable curvature of one or both sides of a lens element, also allow more compact lens designs and permit lighter lenses with fewer elements. Combined with Canon's exclusive multi-coating technology, Super Spectra Coating, and the attention paid to details such as anti-reflective material inside of lens barrels, L-series lenses virtually eliminate internal ghosting and flare.

Many EF telephoto lenses are white, to reduce the amount of internal heat build-up during long shooting in bright sunlight. And the new Image Stabilized super-telephoto L-series lenses add extensive dust-and moisture-resistant seals and gaskets, enabling pros to keep shooting in the worst conditions.

Canon L-series EF lenses are designed and built to meet the needs of the most demanding professional photographers. Their superb optics enable pros and advanced amateurs to have lenses that are the absolute pinnacle of optical performance, and enable lens/speed combinations with professional performance simply not attainable using traditional optical technology.

EF LENSES

FISHEYE and ULTRA WIDE ANGLE LENSES



EF 15mm
f/2.8 Fisheye



EF 14mm
f/2.8L USM



EF 20mm f/2.8
USM

EF 14mm f/2.8L USM (CA1428LEF)

This ultra-wide-angle lens has the shortest focal length in the L-series. Aspherical lens element corrects distortion and other aberrations such as stigmatism, resulting in ideal image quality. It's outstanding for shooting in confined areas and interiors. Floating rear focusing system makes autofocus faster, and the lens more compact. Full-time manual focusing lets you switch to manual focus even in AF mode. The lens also has a fixed petal-type hood and a gelatin filter holder at the rear. Includes soft caseIMP. 1749.95 / USA 1799.95

EF 15mm f/2.8 Fisheye (CA1528EF)

The 15mm f/2.8 is a fisheye lens with a 180° angle of view for unique and intriguing effects. The wide depth of field makes it even more interesting. The short minimum focusing distance of 0.7 ft. gives new meaning to close-up shots. The lens also has a fixed petal-type hood and a gelatin filter holder at the rearIMP. 559.95 / USA 579.95

EF 20mm f/2.8 USM (CA2028EF)

An ultra-wide angle lens for serious applications, the 20mm f/2.8 features a floating rear focusing system which allows the lens to made more compact (weighs only 14.3 oz.) and makes auto focusing faster. Full-time manual focusing lets you switch to manual focus even in AF mode. Filter size is 72mmIMP. 399.95 / USA 419.95

USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

WIDE ANGLE LENSES

EF 24mm f/1.4L USM (CA2414LEF)

The EF 24mm f/1.4L USM is an indispensable tool for news photographers and photojournalists who require a fast, reliable and high-quality wide-angle lens. Equipped with spherical and Ultra-low Dispersion (UD) lens elements, the lens suppresses distortion and spherical aberrations while dramatically reducing lateral chromatic aberrations, for sharp pictures with accurate color reproduction. USM motor delivers high-speed, silent auto focusing with full-time manual override. Fixed front lens group means polarizing and special effect filters don't have to be adjusted after focusing. Includes LPL-1214 soft lens case and lens hood. Minimum focusing distance is 9.8". Filter size is 77mmIMP. 1089.95 / USA 1119.95



EF
24mm
f/1.4L USM



EF
28mm f/1.8
USM



EF
24mm
f/2.8



EF
28mm
f/2.8

EF 24mm f/2.8 (CA2428EF)

Popular wide-angle lens with a large aperture is good for casual snapshots as well as perspective shots. Floating rear focusing system corrects astigmatism and gives high contrast and sharp delineation. Filter size is 58mmIMP. 279.95 / USA 289.95

EF 28mm f/1.8 USM (CA2818EF)

With its large maximum aperture, excellent background blur is possible even with a fast shutter speed. An aspherical lens element makes the lens compact, while correcting for spheric aberrations. Full-time manual focusing lets you switch to manual even in AF mode. Filter size is 58mmIMP. 384.95 / USA 399.95

EF 28mm f/2.8 (CA2828EF)

The classic EF 28mm f/2.8 wide angle lens weighs only 6.5 oz. while offering a great price-to-performance ratio. High-precision aspherical lens minimizes distortion and other aberrations for sharp and high-contrast images. 52mm filter sizeIMP. 159.95 / USA 169.95

EF LENSES

WIDE ANGLE and STANDARD LENSES



EF 35mm f/2



EF 35mm f/1.4L USM



EF 50mm f/1.8 II

EF 35mm f/2 (CA352EF)

Popular semi wide-angle lens with a large aperture features a minimum focusing distance of only 0.8', so you can approach the subject closer and still obtain a natural wide-angle effect. Also achieve good background blur for portraits. Filter size is 52mmIMP. 219.95 / USA 229.95

EF 35mm f/1.4L USM (CA3514LEF)

This lens features a brilliant maximum aperture of f/1.4, the largest in its class, along with the superior image quality Canon L-series lenses deliver. It uses Canon's advanced floating mechanism and a polished aspherical lens element to achieve extremely sharp, distortion free, superb picture quality from infinity to its closest shooting distance of 12". With ring USM-powered rear focus, autofocus is fast and quiet. Full-time manual focusing lets you switch to manual in AF mode. Wide focusing ring provides comfortable manual focus, and the filter ring remains stationary while using a polarizer. Includes LP1214 soft lens case and EW-78C lens hood. Filter size is 72mmIMP. 1099.95 / USA 1119.95

EF 50mm f/1.8 II (CA50182EF)

Lightweight and affordable, this 4.6 oz. sharp lens with a fast f/1.8 aperture is an excellent first lens for those who prefer a fixed focal length, and makes an excellent addition to any photographer's system for available-light shooting. A traditional Gauss-type optical design ensures sharp performance even wide open, and it focuses as close as 18". Filter size is 52mmIMP. 69.95 / USA 74.95

EF 50mm f/1.4 USM (CA5014EF)

The ultimate "normal" lens in the EF system. This superb lens is sharp even wide-open, and of course its f/1.4 speed makes it perfect for available-light shooting. For many, it's an ideal lens to accompany a zoom when shooting in low-light conditions. Compact and affordable, it's the only lens in the EF system to combine the extra-small Micro USM and still provide full-time manual focusing when the lens is in the AF mode. 58mm filter size IMP. 299.95 / USA 309.95

EF 50mm f/1.2L USM (CA5012EF)

The fastest autofocus lens in its class, the EF50mm f/1.2L USM lens complements full-frame cameras like the EOS 5D and EOS-1Ds Mark II while delivering beautiful results on APS-C/H sized sensor models as well. Every aspect of this lens exudes professional quality from its wide 72mm filter diameter to its dust and moisture sealed construction. A high refraction glass molded aspherical lens element helps to minimize spherical aberration, which is crucial in order to provide fine detail and maximum image quality from corner to corner, even when the lens is used wide open. Full frame digital camera users will especially appreciate the benefits of the 50mm focal length, when shooting waist-up portraits while maintaining appropriate subject distance at a wedding.

The large maximum aperture of f/1.2 allows this lens to produce shallow depth of field that softens the background and makes subjects "pop" out of a portrait. Photographers can also take advantage of higher shutter speeds to shoot in lower light and help prevent blurring caused by subject movement or camera shake. In addition to a large aperture, the lens also has blazingly fast autofocus speed and response time, thanks in part to Canon's ring-type Ultrasonic Motor (USM), which quietly drives the lens. A full-time manual focus feature allows photographers to fine-tune the sharpness of their images, even when the lens is set for autofocus.

Canon designed the EF50mm f/1.2L USM to deliver the best possible optical quality while being tough enough to meet the needs of demanding photographers. Eight lens elements in six groups provide high resolution, while advanced coating suppresses flare and ghosting. A glass molded (GMO) aspherical element ensures maximum image quality by reducing spherical aberration and linear distortion. Dust and moisture resistant components in the lens mount, switches, and focus ring help to protect the lens in a wide variety of shooting conditions. Filter size is 72mm. Includes ES-78 lens hood and LP1214 soft caseIMP. 1399.95 / USA 1399.95



USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

EF LENSES

PORTRAIT and MEDIUM TELEPHOTO LENSES



EF 85mm
f/1.8 USM



EF 85mm
f/1.8 USM

EF 85mm f/1.2L II USM (CA8512LIIEF)

With a large maximum aperture of f/1.2, this is the fastest 85mm lens in its class. Has one aspherical element and two high-refraction elements to produce sharp images with little flare, even at maximum aperture. Floating system corrects coma for high image quality. Full-time manual focusing lets you switch to manual even in AF mode. Includes LP-1219 lens pouch and ES-79II lens hood. Filter size is 72mmIMP. 1759.95 / USA 1789.95

EF 85mm f/1.8 USM (CA8518EF)

A very practical medium telephoto lens with superb delineation and portability, this lens produces images that are sharp and clear at all apertures. Specially designed to give beautiful background blur. Full-time manual focusing. Filter size is 58mmIMP. 329.95 / USA 339.95

EF 100mm f/2 USM (CA1002EF)

An extremely compact lens despite its large maximum aperture. Floating rear focusing system makes autofocus faster and helps achieve sharp, crisp pictures at all apertures. Provides a background blur that is ideal for portraits. 58mm filter size.....IMP. 374.95 / USA 389.95

USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

TELEPHOTO LENSES

EF 135mm f/2L USM (CA1352LEF)

The fastest telephoto in its class, this lens provides the image quality and performance required to meet the needs of a wide range of advanced amateurs and professionals. A ten element optical formula with two UD-glass elements serves to correct residual aberrations, resulting in superb sharpness and high image quality. Ideal for indoor sports and portraits, it is also able to obtain superior background blur with the f/2 wide aperture. It includes an LP1219 lens case and an ET-78II lens hood. Filter size is 72mm.....IMP. 869.95 / USA 899.95

EF 135mm f/2.8 Softfocus (CA13528EF)

A telephoto lens with softfocus capability, this lens can give you razor-sharp snapshots as well as softfocus shots that do not look blurry. Offers a choice of two softfocus settings. Even in softfocus mode, autofocus is quick and accurate. 52mm filter sizeIMP. 269.95 / USA 279.95



EF 200mm
f/2.8L II
USM

EF 135mm
f/2.0L USM

EF 135mm f/2.8 Softfocus

EF 200mm f/2.8L II USM (CA20028L2EF)

Built on the success of its predecessor; the EF 200mm f/2.8L version "II" employs Canon's famous rear-focus telephoto optical design to deliver outstanding picture quality throughout its entire shooting range - even at middle and close distances. This lens also uses two ultra-low dispersion (UD) glass elements to ensure maximum image sharpness and accurate color fidelity; and Canon's advanced ultrasonic focusing motor (USM) and rear focusing design for silent, high speed autofocus. Smooth manual focusing is accomplished through Canon's mechanical manual focusing system and wide rubber focusing ring for easy adjustments. Full-time manual focusing lets you switch to manual even in AF mode. Compatible with 1.4x and 2x EF extenders. It includes an LP1222 lens case and an ET-83BII lens hood. Filter size is 72mm.

IMP. 639.95 / USA 659.95

EF LENSES

SUPER TELEPHOTO LENSES

With the ability to see surpassing the human eye, a super telephoto lens has the ability to transform an ordinary scene into an extraordinary one. It can compress images and make them look as if they come from another dimension. It opens up new realms of photographic expression. All Canon EF super telephoto lenses are L-series to provide the highest quality, while the USM delivers quiet and high-speed autofocus.



EF 600mm f/4L IS USM

- ◆ All except the 300/4L and 400/5.6L feature Focus Preset (FP). With FP you can set the desired focusing distance in memory and later instantly focus the lens at that distance. Normal shooting and focusing is possible while FP has been set.
- ◆ All except the 300/4L and 400/5.6L are highly resistant to dust and water. Their switch panel, exterior seams, and drop-in filter compartments have rubber linings.
- ◆ All (except 400/5.6L) have a built-in Image Stabilizer because no matter how great the lens is, camera shake can spoil the shot. Optical shake is detected by gyro sensors which provide the data necessary to shift the image-stabilizing lens group in parallel to neutralize the shake. This increases usable shutter speed range by up to two full stops for hand-held shooting. There are two IS modes: one for normal image stabilization, one for panned shots.
- ◆ All except the 300/4L and 400/5.6L feature a fluorite lens element to correct chromatic aberrations. Fluorite has abnormally low refraction and low dispersion characteristics which optical glass can't achieve.
- ◆ In addition to fluorite, they each incorporate two UD (Ultra-Low Dispersion) glass elements whose properties nearly match those of fluorite (the effect of two UD-glass elements is equivalent to one fluorite). The 400/5.6L has a Super UD-glass element which gives almost the same effect as one fluorite element.
- ◆ All except the 300/4L and 400/5.6L have an 'AF Stop' feature. If something passes between the camera and subject, the AF-Stop button momentarily locks the AF to prevent the focus from shifting to the obstruction passing by. After it is gone, the focus is maintained so you can quickly resume shooting.

EF 300mm f/2.8L IS USM (CA30028LIEF)

Lightweight with superb balance, this lens is the standard for performance and versatility. The lens barrel is made of magnesium alloy construction for reduced weight and improved handling. The rotating tripod collar can be removed for even more weight reduction. Includes lens case and ET-120 lens hood. Filter size is 52mm (drop-in) ...IMP. 3849.95 / USA 3899.95

EF 300mm f/4L IS USM (CA3004LIEF)

Large f4 aperture makes this lens a great value. All the features of the EF 300mm f/2.8L except fluorite lens element, AF Stop and Focus Preset. Built-in hood, includes case. 77mm filter..IMP. 1119.95 / USA 1149.95

EF 400mm f/5.6L USM (CA40056LEF)

High-performance lens designed for portability and handling. Includes detachable tripod mount, case, built-in hood. 77mm filter.....IMP. 1064.95 / USA 1099.95



EF 300mm f/4L IS USM

EF 400mm f/2.8L IS USM (CA40028LISLE)

The standard for professional sports, it is also ideal for low-light nature and wildlife photography. Full-time mechanical manual focus, four AF-Stop buttons, and Focus Pre-set controls. Includes case and lens hood. 52mm (drop-in) filter size..IMP. 6399.95 / USA 6599.95

EF 500mm f/4L IS USM (CA5004LEF)

Favorite of motor sports, wildlife and nature shooters. Well balanced - less "front heavy" - for superior handling. Durable, magnesium alloy construction, with improved control layout. Includes case and lens hood. 52mm filter (drop-in).....IMP. 5299.95 / USA 5499.95

EF 600mm f/4L IS USM (CA6004LIEF)

The first 600mm lens with an Image Stabilizer. Same weather-resistant design as the 300, 400 and 500mm as well as their less "front-heavy" design, and mechanical manual focus. Includes lens case and ET-160 lens hood. 52mm filter (drop-in)IMP. 6999.95 / USA 7199.95

EF LENSES

**EF 400mm f/4L DO IS USM** (CA4004ISEF)

Equipped with Canon's breakthrough diffractive optics (DO) lens technology, the 400mm f/4 DO is significantly shorter and lighter than previously possible, while simultaneously improving performance by reducing chromatic aberrations and spherical aberrations. Fast AF and full-time mechanical focus and dust and water-resistant construction. Includes lens case and ET-120 lens hood. Filter size is 52mm (drop-in)IMP. 5199.95 / USA 5299.95

Understanding Diffractive Optics: Glass lens elements refract, or bend lightwaves as they pass through it to form an image. Canon uses multiple elements and special glass to keep the lightwaves like a pinpoint instead of spreading them into the rainbow of color you see when light passes through a prism. To diffract lightwaves means that the ray goes through a change in direction before passing through the lens. The change in direction is caused by a diffraction grating — very fine parallel grooves or slits on the surface. Canon uses two single-layer diffractive optical elements whose diffraction gratings are bonded together face-to-face. The diffraction that occurs with Multi-Layer Diffractive optical elements actually corrects the optical system's chromatic aberrations and improve the image formation performance. Why is Canon changing the tried and true physics of lens design? In terms of design and manufacture, it allows them to create lenses that are shorter and lighter than comparable refractive optical systems. The 400mm f/4 DO IS USM lens is approximately 27-percent shorter and 36-percent lighter in weight than a conventional 400mm f/4 telephoto lens would be. Image quality of Canon's DO lenses are comparable to the L-Series, offering photographers very high performance.

USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

TILT & SHIFT LENSES

With a Canon TS-E lens, you can control the angle of the plane of focus and the picture's perspective. The effects of large-format camera movements can be obtained with TS-E lenses for EOS cameras. Although manual focusing is required, automatic aperture control enables auto exposure and auto exposure bracketing. The tilt and shift axes intersect at a 90° angle. With their tilt and shift movements, these lenses further expand photographic possibilities. Tilt movements alter the angle of the plane of focus between the lens and film plane, allowing you to obtain a wide depth of field even at the maximum aperture and still keep the entire subject in focus. Shift movements move the lens' optical axis in parallel, correcting the trapezoidal effect seen in pictures taken of tall objects such as buildings, so that the subject does not look distorted.

Tilt Movements: If you want to bring the entire length of the hedge into focus, you could use a wide-angle lens and a small aperture to obtain a wide depth of field. With tilt movements, you can achieve this wide depth of field even at the maximum aperture. By tilting the center of the TS-E lens barrel, you can tilt the lens so that the plane of focus is uniform on the film plane.

TS-E 24mm f/3.5L (CA2435TSE): Great for architecture, landscapes and other wide-angle shots. Includes LP1216 soft case and EW-75BII lens hood. Filter size is 72mm..IMP. 1069.95 / USA 1099.95

Shift Movements: Normally, when you point your camera up at a tall building, the building will look slimmer toward the top. It becomes trapezoidal. This perspective effect is more pronounced with shorter lens focal lengths, distorting the building even more. By altering the parallel position between the lens and the film plane with the TS-E lens, this perspective effect can be corrected. With the camera's film plane set parallel to the building, shifting the lens upward will obtain a more rectangular-looking building.

TS-E 45mm f/2.8 (CA4528TSE): Ideal for obtaining a natural-looking perspective. Includes LP1216 soft lens case and EW-79BII lens hood. Filter size is 72mm.....IMP. 1069.95 / USA 1099.95

TS-E 90mm f/2.8 (CA9028TSE): Ideal for a variety of subjects, from products to portraits. Includes LP1016 soft lens case and ES-65II lens hood. Filter size is 58mm.....IMP. 1069.95 / USA 1099.95



TS-E 24mm f/3.5L lens



TS-E 90mm f/2.8 lens

EF LENSES

TELE EXTENDERS



Extender EF 1.4x & Extender EF 2x

These high performance lens extenders increase the focal length of telephoto lenses by 1.4x (EF 1.4x) or 2x (EF 2x). They can be used with a 135mm or longer fixed-length lens, or with the EF 70-210/2.8L, 70-210/4L and the EF 100-400L. Attaching the 1.4x decreases the f-stop by one stop, attaching the 2x by two stops. With the 1.4x, autofocus is possible with an f/4 maximum aperture or better. With the 2x, autofocus is possible with an f/2.8 or better. The lenses are weather-resistant on the front and rear mount surfaces to match the level provided by the IS super-telephoto lenses. They also offer internal anti-reflection construction that improves contrast even when shooting in heavy backlit conditions.

Extender EF 1.4XII (CA1.4XEF2)IMP. 274.95 / USA 279.95 Extender EF 2XII (CA2XEF2).....IMP. 274.95 / USA 279.95

MACRO LENSES

The small things we see and ignore everyday can actually reveal much surprise and fascination up close. Canon's macro lenses—three autofocus and one manual – are the most versatile way to discover this world.

EF 50mm f/2.5 Macro (CA5025MEF)

Floating system for superior delineation at all focusing distances (1:1 reproduction ratio with optional Life Size Converter EF). With a large f/2.5 aperture, true and beautiful background blur is possible. A multi-purpose lens for portraits and other applications besides macro photography. Filter size is 52mm ..IMP. 229.95 / USA 239.95
 Life Size Converter EF (CACLS50EF)IMP. 229.95 / USA 242.00



MP-E 65mm f/2.8 1-5x Macro Photo (CA6528MP)

While not an EF lens, this manual focusing macro photo lens achieves a high magnification greater than 1x (1:1 reproduction ratio) without any additional accessories. Ideal for shooting small objects, the lens' optical formula and UD-glass elements suppress chromatic aberrations which become apparent at high magnifications. For flash photography, the ML-3 or MR-14EX Macro Ring Lite can be attached to the lens. Includes a tripod mounting ring. Filter size is 58mmIMP. 799.95 / USA 829.95

EF 100mm f/2.8 Macro USM (CA10028MEFQ)

Designed for macro photography up to life-size (1:1) magnification, this autofocus lens is the first in its class to feature inner focusing - its length never changes, even at life size. The 3-group floating system provides exceptional close-up performance and delineation at all focusing distances. Ring type USM provides fast and silent AF throughout its focus range, and allows full-time manual focusing – permitting the close-up or macro shooter to instantly override the AF whenever necessary. Connects directly to the ML-3 and MR-14EX Macro Ring Lites. Filter size is 58mmIMP. 449.95 / USA 469.95

EF 180mm f/3.5L Macro USM (CA18035MLEF)

With a maximum magnification of 1x, this lens can shoot life-size close-ups from a farther distance without disturbing the subject. Internal floating system with three UD-glass elements minimize fluctuations in aberrations caused by changes in the focusing distance – delineation is razor-sharp from 1x to infinity. Operability is further enhanced through a wide manual focus ring. And with its internal focusing, the lens length doesn't change, and the front element doesn't rotate. Supplied with a LZ1324 case and an ET-78II lens hood. Filter size is 72mmIMP. 1199.95 / USA 1239.95



USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

EF LENSES

ULTRA WIDE ANGLE ZOOM LENSES



EF
16-35mm
f/2.8L USM

EF
17-40mm
f/4L USM

EF 16-35mm f/2.8L USM (CA163528LEF)

To meet the growing demand of digital SLR owners, this ultra-wide-angle zoom offers a broader view, fast aperture, and closer focusing down to 11". The first EF wide-angle zoom to combine three aspherical elements and Canon's UD glass, the lens remains compact while providing superior image quality across its range. Constructed to pro standards, it's also highly resistant to dust and moisture. Includes LP1319 pouch and EW-83E lens hood. Filter size is 77mmIMP. 1339.95 / USA 1369.95

EF 17-40mm f/4L USM (CA17404LEF)

The optics on this lens are excellent, highlighted by three Aspherical lens elements, and one Super UD (Ultra-Low Dispersion) glass element. It features a constant f/4 maximum aperture, moisture- and dust-resistant construction, and a high-speed AF with a powerful ring-type USM. Includes LP1319 soft lens case and EW-83E lens hood. Filter size is 77mm.....IMP. 669.95 / USA 679.95

EF 20-35mm f/3.5-4.5 USM (CA203535EF)

Offering high optical performance, the lightweight (only 12 oz.) EF 20-35mm f/3.5-4.5 USM is a very portable and practical ultra-wide angle lens. Large front lens group minimizes peripheral darkening; flare-blocking diaphragm minimizes flare. Filter size is 77mmIMP. 349.95 / USA 369.95

USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

WIDE ANGLE ZOOM LENSES

EF 24-70mm f/2.8L USM (CA247028LEF)

A superb new lens that offers a wider zoom range than its predecessor. It features 2 types of aspherical elements, and a new UD-glass element for superb optical performance even wide-open. It focuses closer and faster with a new processor. And, it's now sealed against dust and moisture at the lens mount, the zoom and focus rings, and the switch plate. Includes LP1219 soft lens case and EW-83F lens hood. Filter size is 77mm.....IMP. 1124.95 / USA 1139.95

EF 24-85mm f/3.5-4.5 USM (CA248535EF)

Compact, powerful and lightweight, this lens offers 3.5x magnification with minimum focus to 1.6'. USM motor and internal focusing enable silent, high speed autofocus. Wide rubber focus ring and manual focus capability - even in autofocus - provide maximum flexibility and ease of use. Replica aspherical lens element minimizes distortion and produces sharp images. Flare-cutting diaphragm maintain high contrast even in tough lighting conditions. Filter size is 67mm.....IMP. 299.95 / USA 309.95

EF 24-105mm f/4L IS USM (CA241054IS)

This easy-to-use standard zoom lens can cover a large zoom area ranging from 24mm wide-angle to 105mm portrait-length telephoto, and its Image Stabilizer Technology steadies camera shake up to three stops. Constructed with one Super-UD glass element and three aspherical lenses, this lens minimizes chromatic aberration and distortion. The result is excellent picture quality, even at wide apertures. Canon's ring-type USM gives silent but quick AF, along with full-time manual focus. Moreover, with dust- and moisture-resistant construction, this is a durable yet sophisticated lens meets the demands of advanced amateur and professional photographers alike. Includes lens hood. Filter size is 77mmIMP. 1044.95 / USA 1059.95



EF 24-70mm f/2.8L USM



EF 24-85mm f/3.5-4.5 USM

EF LENSES

Description of Lens Designation

The lens designations follow a standard format to identify the lens:

EF 75-300mm f/4-5.6 IS USM

Focal length:

Indicates the focal length range from the shortest to the longest length

Maximum Aperture:

Indicates the lens' maximum aperture

Special Function:

Any special feature such as an image stabilizer, macro feature, etc., is indicated

USM:

Indicates that the lens uses an Ultrasonic Motor for autofocus

WIDE ANGLE ZOOM LENSES

EF 28-90mm f/4-5.6 III (CA2890353EF)

Lightweight and affordable, this lens has the widest zoom range in its class, with true portrait-length capability at the 90mm telephoto setting. Light and compact, the lens has a 10 element, 8 group design, and focuses as close as 1.3' (filling the frame with a subject just 3.2" tall). Provides distance information to compatible EOS cameras that feature E-TTL II flash operation. Filter size is 58mm..... 109.95

EF 28-105mm f/3.5-4.5 II USM (CA28105352EF)

Excellent for everyday use, the lens includes a ring-type USM drive for silent, high-speed autofocus, plus full-time manual focus. Optically excellent, the lens delivers high image quality at all focal lengths. Wide zoom ring provides more positive operation. The compact design is a good match for the ELAN 7N/7NE with built-in flash. An excellent zoom lens for everyday use. Filter size is 58mmIMP. 219.95 / USA 229.95

EF 28-105mm f/4-5.6 USM (CA28105456U)

An entirely new lens which joins Canon's existing 28-105 f/3.5-4.5 USM in the line-up. It's the smallest and lightest zoom in the 28-105 class, and its new optical system includes an Aspherical element. Most noteworthy is its new Micro USM II — half the size of previous Micro USMs, and its use of internal focusing (no front element rotation during focus. Filter size is 58mmIMP. 139.95 / USA 149.95

EF 28-135mm f/3.5-5.6 IS USM (CA2813535EF)

High performance lens with built-in image stabilizer (IS) for shooting everything from tight interiors to sports to portraits. With the stabilizer on you can shoot sharp, natural-looking pictures in dim lighting without a flash or tripod. Choosing slower speeds also allows use of smaller apertures for increased depth-of-field. Pulse control Electromagnetic Diaphragm (EMD) provides quick and accurate aperture control. Ring-type USM for fast, quiet autofocus. Aspherical lens element for edge to edge sharpness. Close focusing to 20". Filter size is 72mmIMP. 399.95 / USA 409.95

EF 28-200mm f/3.5-5.6 USM (CA2820035EF)

The highest optical performance in its class, this lens offers the convenience of focusing to 17.7" over the entire zoom range. 16-element design includes two aspherical elements. Micro USM drive provides silent, high-speed AF Inner focusing means the front doesn't rotate, a benefit when using filters. Filter size is 72mmIMP. 339.95 / USA 359.95



USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

EF LENSES

HIGH-POWER WIDE ANGLE ZOOM LENS

EF 28-300mm f/3.5-5.6L IS USM (CA2830035IS)

Offering incredible 11x zoom capability, the EF28-300mm f/3.5-5.6L IS USM combines Canon's latest optical glass, faster autofocus and a groundbreaking Image Stabilization system—so capturing incredible images is a snap—even when the zoom is at max, the shutter speed is slow and the camera is handheld. This 22-element L-series design lens features three ultra low dispersion (UD) glass elements that reduce chromatic aberration, and three aspherical elements that reduce linear distortion and correct spherical aberration during zooming (keeping image resolution and contrast high), together with superior lens coatings that minimize reflection. Highly refined Image Stabilization (IS) system with shake-detecting gyro sensors corrects up to three shutter speed steps for handheld photography. Additionally, IS remains effective even when using a tripod, improving image quality by eliminating the effects of reflex mirror vibration at slow shutter speeds. IS mode switches allow you to select for general stabilization or for deliberate panning. IS is activated within 0.5 seconds of depressing the shutter halfway. Additionally, the lens features a powerful, quick and silent ring-type Ultrasonic Motor and an inner focus system that moves only the lens' lighter elements during AF while keeping the front elements stationary. Because of its extended range, the lens features a push-pull zoom, though it does have a zoom adjustment ring that lets you loosen, tighten or lock the zoom control. It also permits close minimum focus from 2.3' at all focal lengths, and is capable of filling the frame with a subject as small as 3.2 x 4.8" at the 300mm setting. The lens includes EW-83G bayonet mount lens hood, detachable tripod collar and soft lens case. Filter size is 77mmIMP. 2099.95 / USA 2199.95



STANDARD & TELEPHOTO ZOOM LENSES

**EF 55-200mm f/4.5-5.6 II USM** (CA5520045EF2)

Super-compact and light, this lens is compatible with all EOS cameras. Features a 13-element design and new optical coatings. It focuses down to under 4' and its Micro USM-powered AF is faster than ever, due to new electronics within the lens. Filter size is 52mmIMP. 199.95 / USA 209.95

EF 70-200mm f/2.8L IS USM (CA7020028LIS)

Entirely new, this sensational lens brings an unprecedented combination of features and performance to professional and serious amateur photographers. A new "second-generation" Image Stabilization system responds in only 0.5 seconds, and provides up to three stops of correction for camera shake. Its minimum focusing distance, AF speed, and weather resistance surpass the previous EF 70-200mm f/2.8L. Includes an ET-86 lens hood and an LZ1324 soft case. Filter size is 77mm.....IMP. 1659.95 / USA 1699.95

EF 70-200mm f/2.8L USM (CA7020028LEF)

One of the best telephoto zoom lenses ever made by Canon, the EF 70-200mm f/2.8L has four UD-glass elements (the equivalent of two fluorite elements) to correct chromatic aberrations. Newly-designed multiple zoom groups for inner focusing bring high image quality throughout the entire zooming range. Full-time manual focusing mode lets you switch to manual focus even in AF mode. Includes ET-83II lens hood and LZ1324 soft lens case. Filter size is 77mmIMP. 1099.95 / USA 1139.95

USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

EF LENSES

TELEPHOTO ZOOM LENSES

EF 70-200mm f/4L USM (CA702004LEF)

This lightweight high-performance zoom lens features fluorite and UD glass to eliminate chromatic aberration. A circular polarizer can be used because the front lens element doesn't rotate during focusing. Full-time manual focusing mode lets you switch to manual even in AF mode. Inner focusing, and ring-type USM for quick and quiet autofocus. An optional tripod collar (2889A002) is also available. Includes ET-74 lens hood and LP1224 soft lens case. Filter size is 67mmIMP. 559.95 / USA 579.95

EF 70-200mm f/4L IS USM (CA702004LEFQ)

The EF 70-200mm f/4L IS USM is a lightweight, compact L Series telephoto zoom lens with built-in optical image stabilizer that provides up to an incredible four stops of shake correction—a first for Canon IS lenses. Photographers normally shooting handheld at 1/250 sec can switch on IS to obtain a similarly steady and blur-free result with a shutter speed of just 1/15 second. The use of fluorite UD lens elements provides excellent optical performance in terms of resolution and contrast. These features, together with its water- and dust-proof construction, provide both the performance and portability to meet user demands. Filter size is 67mm.....IMP. 1044.95 / USA 1059.95



EF 70-300mm f/4-5.6 IS USM (CA7030045ISQ)

The EF 70-300mm f/4-5.6 IS USM telephoto zoom lens has been developed to meet the high-performance standards that today's photographers demand. Improved Image Stabilizer Technology provides up to three stops of "shake" correction, and the "Mode 2" option stabilizes images while panning with a moving subject. Optimized Super Spectra lens coatings suppress flare and ghosting, more prone to occur with digital cameras due to reflection off the image sensor. A UD (ultra-low dispersion) glass lens element corrects chromatic aberration to achieve high resolution and contrast throughout the zoom range. Micro USM motor uses ultra-sonic frequency vibrations to drive rapid auto-focus with near-silent operation. The zoom ring can be locked at the 70mm position, making the lens easy to transport, too. Filter size is 58mm.....IMP. 529.95 / USA 549.95

EF 70-300mm f/4.5-5.6 DO IS USM (CA7030045IS)

Compact, without compromising any image quality, the EF70-300mm f/4.5-5.6 DO IS USM is the second EF lens to employ Diffractive Optics (DO) technology. Indeed, it's three-layer diffractive element is far better suited to zoom lenses and improves on the two-layer DO element used in the EF400mm f/4 DO IS USM lens. Significantly smaller and lighter than conventional 70-300mm lenses, this zoom is approximately the length and diameter of the 28-135mm IS lens. Equipped with image stabilization technology, the lens provides up to three stops of effective shake reduction capability, equivalent to shooting handheld at 1/30 with the stability found on conventional lenses at 1/250. It also offers a choice of general stabilization and deliberate panning. The IS system remains functional when the lens is used on a solid tripod, although handheld usage is the norm thanks to its compact size. Compact, shake detection gyro sensors for smoother control of IS optics, and compact zoom locking mechanism (locks the lens at its smallest 70mm setting and prevents lens "creeping" while camera is carried on a neck strap) also contribute to the

lens' smaller, more comfortable size. Incorporates a larger, ring type Ultrasonic Motor that provides more power and torque than the smaller Micro USM for faster autofocusing than equivalent lenses. In addition, a rear-group AF system moves the lighter and smaller lens elements at the rear of the lens for focus, keeping the larger, front elements from rotating during AF or zoom operation. Minimum focus is 4.6' at all zoom settings and can fill the frame with a subject as small as 4.8 x 7.2" at the 300mm zoom setting. Includes a ET-65B lens hood and LP1116 soft lens case. Filter size is 58mm.....IMP. 1099.95 / USA 1144.95

EF LENSES

TELEPHOTO ZOOM LENSES

EF 75-300mm f/4-5.6 III

Compact and lightweight, this 4x telephoto zoom lens is ideal for shooting sports, portraits and wildlife. It shares the same 13-element optical system as the 75-300mm USM lens, but uses a DC motor for autofocus. The telephoto effect can make the picture look compressed or have excellent background blur. Close-focusing down to 4.9' allows filling the frame at 300mm with a subject the size of a dollar bill, and it's compatible with the Canon 58mm Close-up lens 500D for even more spectacular shots of small objects. Filter size is 58mm.

CA7530043EFQIMP. 149.95 / USA 159.95

EF 75-300mm f/4-5.6 IS USM

Compact and lightweight, this 4x telephoto zoom lens is ideal for shooting sports, portraits and wildlife. The telephoto effect can make the picture look compressed or have excellent background blur. At the 300mm focal length, you can fill the frame with a postcard from 4.9' away. It features Micro USM (Ultrasonic Motor) for faster auto focus and smoother zooming. The front part of the zoom ring sports a silver ring for a luxury touch. Image Stabilization gives this lens amazing real-world sharpness, and is especially advantageous when combined with lightweight camera bodies. It's filter size is 58mm.

CA7530043EFIMP. 179.95 / USA 189.95

EF 100-300mm f/4.5-5.6 USM

Only 4.8" long, this practical and portable zoom lens offers higher-performance ring-type Ultrasonic focusing motor and superior AF speed. Full-time manual focusing mode lets you switch to manual focus even in AF mode. With rear focusing, the lens doesn't change length or rotate during focusing, so filter effects remain intact. It also makes auto focusing quick and quiet. It's filter size is 58mm.

CA10030045EFIMP. 269.95 / USA 279.95



EF 100-300mm
f/4.5-5.6
USM

EF 75-300mm
f/4-5.6 III USM



EF 100-400mm
f/4.5-5.6L IS USM

EF 75-300mm
f/4-5.6 IS USM

**EF 100-400mm f/4.5-5.6L IS USM**

Incorporating fluorite and Super UD-glass elements, this super telephoto zoom ensures high quality at all focal lengths. Built-in dual-mode Image Stabilizer reduces camera shake up to two full shutter speeds compared to hand-held shooting with a conventional lens. Auto-focus is fast and silent with ring-type USM. Advanced, lightweight rear focusing design incorporates a floating element for consistent image quality at all distances from 5.9' to infinity.

With full-time manual focus, one-touch zooming with a wide grip, and a ring for adjustment of zooming friction, this lens is extremely easy to use and is ideal for a wide variety of applications including nature, wildlife, sports, and documentary photography. Includes a tripod collar, ET-83C lens hood and LZ-1324 case. Filter size is 77mm.

CA10040045LEIMP. 1379.95 / USA 1409.95

Canon USA Lenses include a 1-Year Canon Warranty, and many have rebates available.

Please go on-line or call us for details and expiration dates before purchasing.

USA= Imported & Warrantied by Canon USA

IMP. = Imported & Warrantied by B&H (not qualified for Canon USA rebates and warranties)

EF LENSES

EF Lenses	Angle of View Diagonal	Groups Elements	Closest Focusing Distance	Weight	Lens Hood	Filter Size	Case
Fish-eye EF 15mm f/2.8	180°	7-8	0.7	11.6 oz.	Built-in	Gelatin	LP814
EF 14mm f/2.8L USM	114°	10-14	0.8'	19.8 oz.	Built-in	Gelatin	LP1016
EF 20mm f/2.8 USM	94°	9-11	0.8'	14.3 oz.	EW-75II	72	LP1214
EF 24mm f/1.4L USM	84°	9-11	0.8'	19.4 oz.	EW-83DII	77	LP1214
EF 24mm f/2.8	84°	10-10	0.8'	9.5 oz.	EW-60II	58	LP811
EF 28mm f/1.8 USM	75°	9-10	0.8'	10.9 oz.	EW-63II	58	LP814
EF 28mm f/2.8	75°	5-5	1.0'	6.5 oz.	EW-65II	52	LP1011
EF 35mm f/1.4L USM	63°	9-11	0.98'	20.5 oz.	EW-78CII	72	LP1214
EF 35mm f/2.0	63°	5-7	0.8'	7.4 oz.	EW-65II	52	LP1011
EF 50mm f/1.2L USM	46°	6-8	1.5'	1.2 lb.	ES-78	72	LP1214
EF 50mm f/1.4 USM	46°	6-7	1.5'	10.2 lb.	ES-71II	58	LP1014
EF 50mm f/1.8 II	46°	5-6	1.5'	4.6 lb.	ES-62#	52	LP1014
EF 50mm f/2.5	46°	8-9	0.8'	0.61 lb.	-	52	LP814
EF 85mm f/1.2L USM	28° 30'	7-8	3.1'	2.3 lb.	ES-79II	72	LP1219
EF 85mm f/1.8 USM	28° 30'	7-9	2.8'	14.9 oz.	ET-65III	58	LP1014
EF 100mm f/2.0 USM	24°	6-8	2.9'	16.1 oz.	ET-65III	58	LP1014
EF 100mm f/2.8 USM	24°	8-12	5.9"	1.32 lb.	ET-67	58	LP1219
EF 135mm f/2.0L USM	18°	8-10	2.95'	26.3 oz.	ET-78II	72	LP1219
EF 135mm f/2.8 Soft Focus	18°	6-7	4.3'	13.8 oz.	ET-65III	52	LP1016
EF 180mm f/3.5L	11°	12-14	1.57'	3.39 lb.	ET-78 II	72	LZ1324
EF 200mm f/2.8L II USM	12°	7-9	4.92'	26.8 oz.	ET-83BII	72	LP1222
EF 300mm f/2.8L IS USM	8° 15'	13-17	8.2'	5.6 lb.	ET-120	52 DI	300
EF 300mm f/4.0L IS USM	8° 15'	11-15	4.92'	2.6 lb.	Built-in	77	LZ1128
EF 400mm f/2.8L IS USM	6° 10'	13-17	9.8'	11.7 lb.	ET-155	52 DI	400
EF 400mm f/4.0 DO IS USM	6° 10'	13-17	11.5'	4.3 lb.	ET-120	52 DI	400B
EF 400mm f/5.6L USM	6° 10'	6-7	11.5'	2.8 lb.	Built-in	77	LZ1132
EF 500mm f/4.0L IS USM	5°	13-17	14.8'	8.5 lb.	ET-138	52 DI	500
EF 600mm f/4.0L IS USM	4° 10'	13-17	18'	11.8 lb.	ET-160	52 DI	600
EF 16-35mm f/2.8L USM	108° 10'-63°	10-14	0.28'	1.3 lb.	EW-83E	77	LP1319
EF 16-35mm f/2.8L II USM	108° 63°	12-16	0.9'	1.4 lb.	EW-88	82	LP1319
EF 17-40mm f/4L USM	74-29°	9-12	11"	17.6 oz.	EW-83E	77	LP1319
EF 20-35mm f/3.5-4.5 USM	94°-63°	11-12	0.34'	11.9 oz.	EW-83II	77	LP1214
EF 24-70mm f/2.8L USM	74°-29°	13-16	1.25'	2.1 lb.	EW-83F	77	LP1219
EF 24-85mm f/3.5-4.5 USM	84°-28° 30'	12-15	0.5'	13.4 oz.	EW-73II	67	LP1014
EF 24-105mm f/4L IS USM	84°-29°	13-18	1.48'	1.5 lb.	EW-83H	77	LP1219
EF 28-90mm f/4-5.6 III USM	75°-27°	8-10	0.38'	6.7 oz.	EW-60C	58	LP814
EF 28-90mm f/4-5.6 III	75°-27°	8-10	1.3'	6.7 oz.	EW-60C	58	LP814
EF 28-105mm f/3.5-4.5 II USM	75°-23° 20'	12-15	1.6'	13.1 oz.	EW-63II	58	LP814
EF 28-105mm f/4-5.6 USM	75°-23° 20'	9-10	1.57'	13.1 oz.	EW-63B	58	LP814
EF 28-135mm f/3.5-5.6 IS USM	75°-18°	12-16	1.64'	18.9 oz.	EW-78BII	72	LP1116
EF 28-200mm f/3.5-5.6 USM	75°-12°	12-16	1.47'	17.6 oz.	EW-78D	72	LP1116
EF 28-300mm f/3.5-5.6 USM	75°-8°	16-22	2.3'	3.7 lb.	EW-83G	77	LZ1324
EF 55-200mm f/4.5-5.6 II USM	43°-12°	22-29	3.9'	10.9 oz.	ET-54	52	LP1016
EF 70-200mm f/2.8L IS USM	34°-12°	18-23	4.6'	3.2 lb.	ET-86	77	LZ1324
EF 70-200mm f/2.8L USM	34°-12°	15-18	1.5'	2.9 lb.	ET-83II	77	LZ1324
EF 70-200mm f/4L USM	34°-12°	13-16	1.2'	25.0 oz.	ET-74	67	LP1224
EF 70-300mm f/4.5-5.6 DO IS USM	34°-12°	12-18	4.6'	1.6 lb.	ET-65B	58	LP1116
EF 70-300mm f/4-5.6 IS USM	34°-8°	10-15	4.9'	1.4 lb.	ET-65B	58	LP1222
EF 75-300mm f/4.0-5.6 III USM	32° 11'-8°15'	9-13	4.9'	16.8 oz.	ET-60	58	LP1019
EF 75-300mm f/4.0-5.6 III	32° 11'-8°15'	9-13	4.9'	16.8 oz.	ET-60	58	LP1019
EF 100-300mm f/4.5-5.6 USM	24°-8° 15'	10-13	4.9'	1.2 lb.	ET-65III	58	LP1019
EF 100-400mm f/4.5-5.6L IS USM	24°-6° 10'	14-17	5.9'	3.0 lb.	ET-83C	77	LZ1324

EF LENS ACCESSORIES

**Lens Hoods**

- EW-75II** (CAEW752) For 20mm/2.8.....**43.95**
EW-60II (CAEW602) For 24mm/2.8.....**23.95**
EW-65II (CAEW652)
 For 28mm/2.8, 35mm/2.0 lenses**23.95**
EW-63II (CAEW632)
 For 28mm/1.8 USM 28-105mm/3.5-4.5 II USM lenses.....**23.95**
ES-71II (CAES712) For 50mm/1.4 lens ...**26.95**
ES-62 (CAES62HA)
 For the 50mm/1.8 lens. With the Hood Adapter 62.....**23.95**
ET-65III (CAET653)
 For the 85/1.8, 100/2.0, 135/2.8 SF and 100-300/4.5-5.6 USM lenses**23.95**
ET-67 (CAET67)
 For the 100mm/2.8 Macro lens.....**39.95**
ET-78II (CAET782)
 For the 180mm/3.5L Macro lens**39.95**
EW-83II (CAEW832)
 For 20-35mm/3.5-4.5 lens.....**33.95**
EW-73II (CAEW732)
 For 24-85mm/3.5-4.5 lens.....**23.95**
EW-60C (CAEW60C)
 For 28-80mm/3.5-5.6II, and 28-90mm/4-5.6 lenses**23.95**
EW-63B (CAEW63B)
 For 28-105mm/4-5.6 USM lens**23.95**
EW-78BII (CAEW78B2)
 For 28-135/3.5-5.6 IS USM lens**26.95**
EW-78D (CAEW78D)
 For 28-200mm/3.5-5.6 USM lens.....**37.95**
EW-54II (CAEW542)
 For 35-80mm/4-5.6 III lens**23.95**
ET-54 (CAET54)
 For 55-200mm/4-5.6 II USM and 80-200mm/4-5.6 II lenses**23.95**
ET-64II (CAET642)
 For 75-300mm/4-5.6 IS USM lens.....**26.95**
ET-60 (CAET60)
 For 75-300mm/4-5.6 III and 75-300mm/4-5.6 III USM**23.95**

FILTERS

Haze UV-1 Filters

A great investment, UV-1 Haze filters will protect your valuable lenses from dust, moisture and scratches, which can lead to costly repairs. If desired they can be left on the lens at all times for protection. They also have a very subtle warming effect, which can be useful to counter the “cool” colors you sometimes get in bright sun or in shade.

Softmat Filters

These filters are used to produce soft focus effects. A coated pattern over the filter diffracts some of the light passing through. Softmat #1 produces a gentle soft focus effect, ideal for lending a romantic aura to portraits.; Softmat #2 offers a stronger effect producing a fog-like effect in landscapes. Both can be used together for stronger effects

**Circular Polarizer (PL-C)**

Polarizing filters are used to increase subject contrast by controlling reflected light from non-metallic surfaces. Useful for reducing or eliminating reflections from glass and water. Will also darken blue skies in some conditions. Simple to use, circular polarizing filters polarize light circularly, rather than linearly, so it does not interfere with autofocus or TTL light metering.

FILTER PRICING

Filter Type	52mm	58mm	72mm	77mm
UV Haze	CAUV52 10.95	CAUV58 12.95	CAUV72Q 24.95	CAUV77Q 34.95
Softmat #1	CASM152 34.95	CASM158 36.95		
Softmat #2	CASM252 34.95	CASM258 36.95		
Circular Polarizer	CACP52 59.95	CACP58 84.95	CACP72 109.95	CACP77 124.95
250D Close-up Lens	CACUL250D52 71.95	CACUL250D58 86.95		
500D Close-up Lens	CACUL500D52 71.95	CACUL500D58 86.95	CACUL500D72 119.95	CACUL500D77 139.95

52mm Drop-in Circular Polarizer PL-C (CACPD152)

Same as the standard circular polarizer (above), except these filters are for lenses using rear-mounted drop-in filters. The filters can be rotated from the outside without removing the holder from the lens. Designed for the EF 300/2.8L, 400/2.8L, 500/4.5L and 600/4L USM lenses.....**166.95**

**Replacement 52mm Drop-in Gelatin Filter Holder II** (CAFHG52)

Glass-backed holder accepts up to three commercially available cut-to-size gelatin filters for rear-insertion. (Provided standard with the EF 300mm f/2.8L IS, 400mm f/2.8L IS, 500mm f/4L IS and 600mm f/4L IS USM lenses.).....**Call**

52mm Drop-in Screw Filter Holder (CAFHS52)

The enclosed regular filter can be exchanged with other commercially available screw-type filters. Note that only filters with correct filter frame thickness can be mounted on the lens**83.95**

EF LENS ACCESSORIES

FILTER HOLDERS

Gelatin Filter Holder III & IV

Allows 3" or 4" square gelatin filters to be fitted to most EF lenses. Requires Gelatin Filter Holder Adapter. Can be combined with optional Gelatin Filter Holder Hoods III or IV.

Gel Filter Holder III
for 3 x 3" Gels (CAFH3): Re-
quires adapter ring.....64.95

Gel Filter Holder IV
for 4 x 4" Gels (CAFH4):
Requires adapter ring.....74.95



Gelatin Filter Holder Hoods III & IV



Attaches to front of Gelatin Filter Holder III or IV to block stray light. Approximately 1/2" deep, multiple hoods can be "stacked" to increase the length for telephoto lenses.

Gel Filter Holder Hood III (CAHFH3).....26.95
Gel Filter Holder Hood IV (CAHFH4).....26.95

Gelatin Filter Holder Adapter III & IV

These are adapter rings used to attach Gelatin Filter Holder III or IV to most EF lenses. Available in 52, 58, 67, 72 and 77mm.



FOR GELATIN III

52mm (CAAR52FH3).....29.95
58mm (CAAR58FH3).....29.95
67mm (CAAR67FH3).....29.95
72mm (CAAR72FH3).....29.95
77mm (CAAR72FH3).....29.95

FOR GELATIN IV

58mm (CAAR58FH4).....29.95
67mm (CAAR67FH4).....29.95
72mm (CAAR72FH4).....29.95
77mm (CAAR72FH4).....29.95

Close-up Lenses

These close-up attachments can be used with most EF lenses to provide a shorter minimum focusing distance with no loss of light. The 250D/500D series incorporates double-element achromatic design for maximum optical performance while the 500 series features single-element construction for maximum economy. The 250D is optimized for lenses between 50-135mm, while the 500D works best with telephoto lenses from 70-300mm. Manual focusing is recommended. Available in 52, 58, 72, and 77mm (see box on previous page for prices).



Extension Tube EF12 II & EF25 II

These close-up accessories maintain full electronic coupling between the camera body and lens, often providing greater magnification than is possible with close-up lenses. Can be used with most EF lenses, and are ideal for nature photography with single focal length telephotos. Manual focusing is recommended.

Extension Tube EF12 II (CAETEF12Q).....79.95
Extension Tube EF25 II (CAETEF25Q).....129.95



Lens Pouches

LP814 (CALP814)
For 15mm/2.8, 28mm/1.8 USM, 50mm/2.5 macro, 28-80mm f/3.5-5.6 II, 28-90mm f/4-5.6II, 28-90mm f/4-5.6II USM, 28-105mm f/3.5-4.5 II USM, 28-105mm f/4-5.6 USM, 35-80mm f/4-5.6 III23.95

LP816 (CALP816)
For 100mm f/2.8 Macro USM23.95

LP1214 (CALP1214)
For 20mm/2.8 lens23.95

LP811 (CALP811)
For 24mm/2.8 lens23.95

LP1011 (CALP1011)
For 28mm/2.8, 35mm/2.0 lenses23.95

LP-1014 (CALP1014)
For 80-200 f/4.5-5.6 II lens23.95

LP-1016 (CALP1016)
For 135mm f/2.8 Soft Focus and 55-200mm f/4.5-5.6 USM II lenses.....28.95

LP-1019 (CALP1019)
For 75-300mm f/4-5.6 III USM, 100-300mm f/4.5-5.6 USM lenses23.95

LP-1022 (CALP1022)
For 75-300mm f/4-5.6 IS USM.....23.95

LP-1116 (CALP1116)
For 28-135mm f/3.5-5.6 IS USM lens23.95

LP-1214 (CALP1214)
For 20mm/2.8, 20-35m f/3.5-4.5 USM ..23.95

LP-1216 (CALP1216)
For MP-E 65mm f/2.8 macro.....23.95

LP-1219 (CALP1219)
For 100mm f/2.8.....31.95

Lens Caps

Lens Dust Cap E (CALCRE): Replacement rear lens cap for EF lenses, teleconverters and extension tubes6.95

Lens Cap E-52 (CALCE52): 52mm snap-on lens cap.....7.95

Lens Cap E-52U (CALCE52U): 52mm "Ultra-sonic" snap-on lens cap.....7.95

Lens Cap E-58 (CALCE58): 58mm snap-on lens cap.....7.95

Lens Cap E-58U (CALCE58U): 58mm "Ultra-sonic" snap-on lens cap7.95

Lens Cap E-72U (CALCE72U): 72mm "Ultra-sonic" snap-on lens cap7.95

FINEPIX S5

12.3-Megapixel Digital SLR Camera

Taking digital photography to the next level, the FinePix S5 combines its newly-developed Super CCD SR PRO with Fujifilm's new RP (Real Photo) Processor Pro to achieve outstanding, film-like results. The Super CCD SR Pro uses a unique layout of 12.34 million pixels and improvements in noise, dynamic range, color and tonality. A low-pass filter ensures that moiré and noise are kept to an absolute minimum. The Real Photo Processor Pro ensures that the information is handled in such a way to produce images that are beautifully vibrant, with color recorded as the human eye sees it. The processor's two stages of noise reduction delivers an impeccably clean image, and also permits light sensitivity up to ISO 3200 while achieving sharp, low-noise images.

Add Nikon F-mount capability, Face Detection Technology, Film Simulation Mode with four "professional portrait" and "Fujichrome modes, weatherproof seals, excellent ergonomics using a tough, professional magnesium alloy shell, and you have the ideal camera for wedding, portrait and studio photographers as well as for outdoor and high endurance commercial photography. A testament to its durability is the robust shutter mechanism which has been tested to exceed the key benchmark of 100,000 cycles.



FEATURES

Real Photo Technology Pro

Fujifilm's long experience in film photography and cutting-edge digital image processing have crystallized in the ultimate image quality technology—'Real Photo Technology Pro'. This fusion of the new Super CCD SR Pro and RP (Real Photo) Processor Pro realizes ultra-high resolution with a superb S/N ratio, wider dynamic range and rich, smooth tonality—from brightest light to the darkest shadows—for performance and image quality beyond even the wildest imagination of professionals.

Super CCD SR Pro

Emulating the composition of negative film, the unique double-photodiode matrix of Super CCD SR Pro consists of 6.17 million larger 'S' pixels for main image information, combined with 6.17 million smaller 'R' pixels for bright area information. The large CCD also achieves a dynamic range of 400%, approaching that of negative film.

The S5 Pro also delivers improvements in noise, dynamic range, color and tonality. Further improving the capability of the sensor, an optimized optical low-pass filter enables ultra-high resolution while ensuring that moiré and noise are kept to an absolute minimum. Achieving both high resolution and high S/N ration, it captures subjects in clear, exquisite detail.

RP (Real Photo) Processor Pro

The redesigned Super CCD SR Pro sensor is at the center of the camera's performance. However the Real Photo Processor Pro ensures that the information is handled in such a way to produce images that are beautifully vibrant, with color recorded as the human eye sees it.

The processor's two stages of noise reduction will deliver an impeccably clean image, and also permit light sensitivity up to ISO 3200 while achieving sharp, low-noise images. A new dark noise reduction process, subtracting the residual, ambient noise on the sensor from the actual exposure, helps the camera produce smooth, clean images when long shutter speeds are used.

Customizable Dynamic Range

- ◆ The FinePix S5 Pro also affords the user much greater control over the unique image parameters that its technology provides. Six stepped dynamic range settings between 100% (normal dynamic range) and 400% (dynamic range expanded by two stops) will enable the photographer to achieve exactly the tonal feel to their images that they want.
- ◆ The extended dynamic range setting can be precisely and optimally set according to subject and scene conditions. Creative use of this function lets you capture high-contrast images or subtle scenes with smooth gradation from highlights through shadows.
- ◆ In addition to Auto for automatic range selection, a Manual mode offers a selection of 6 steps: 100% (Standard), 130%, 170%, 230% (W1), 300% and 400% (W2). Select 400% and get maximum performance of both 'S' and 'R' pixels for an exposure level equivalent of +2EV and the capability to capture outstanding photos in high-contrast scenes such as outdoors under clear skies.

FINEPIX S5

Autofocus

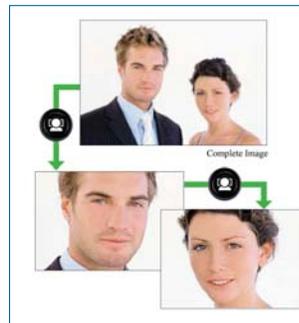
- ◆ 11-point AF system for high-speed, high-precision focusing. All eleven focus areas support up to $f/5.6$, and the range finding is effective down to $-1EV$ of brightness. Everything from focus accuracy to subject compensation/tracking and response have been enhanced by a cutting-edge algorithm.
- ◆ Four focusing modes to match scene requirements:
 - Single-area AF: Select a single area out of the 7-point or 11-point focus area to restrict focusing to only the selected area.
 - Dynamic-area AF: Even if the subject momentarily moves out of one focus area, other focus areas track and keep it in focus.
 - Dynamic-area AF w/Closest Subject Priority: Using the 11-point focus areas to detect the closest subject, it selects the corresponding focus area and provides optimum focus.
 - Group Dynamic-AF: Select and activate a cross-pattern group of 5 focus areas: the center area selected by the user, and the areas above, below to the left and right.
- ◆ AF Lock-On Function with predictive focus tracking. Even if the subject momentarily shifts out of the focus area or another object comes between the subject and the camera, the camera continues to track and adjust focus to the subject without lens hunting.

3D Color Matrix Metering

- ◆ With its powerful 1,005 pixel-RGB sensor, 3D Color Matrix Metering II not only uses conventional exposure algorithms but also detects highlight area size and calculates their optimum exposure value with an exposure assessment algorithm. When shooting in cloudy conditions or a subject that is white overall, it can correct for potential underexposure, or in the case of photographing a subject against a dark background, it can reduce washout.
- ◆ Center-weighted metering is calculated with 75% weighting on the central viewfinder area. You can select the metered area diameter from 6mm, 8mm, 10mm, 13mm and Average in the custom menu.
- ◆ Working together with the 11-point AF system, spot metering evaluates the optimum exposure of a spot with a diameter of approx. 2% in the selected focus area.

Pro-Grade Performance**Workflow**

- Function Lock with password protection prevents costly unexpected operation errors. Lock the command dial and button functions with password protection to pre-empt workplace errors.
- Select from 36 to 3000 dpi, and effectively apply the selected resolution data with compatible application software.
- Connect an RS-232 compatible bar-code reader (requires optional cable) and append various photographic remarks to image files for more efficient image file management and workflow.

**Face Zoom Function**

Thanks to the Face Detection Technology LSI, with one press of a button, the camera detects up to ten faces almost instantly after each image is captured. After shooting and during playback, the photographer can easily and quickly zoom in and check facial details such as closed eyes, focus and exposure, and other quality considerations on the LCD monitor. This smart function fills a vital gap in the portrait photography workflow.

RAW+JPEG Dual-save Mode

The FinePix S5 Pro has the ability to record JPEG and RAW files simultaneously to the memory card. This will enable photographers to view and distribute smaller-sized JPEG images, while retaining the ability to work on the larger RAW files later on a PC or Mac. This dual option is available with a variety of image sizes, giving the option to store either a small, e-mailable file size, or a larger, more detailed JPEG.

Film Simulation Mode

Ideal for the sophisticated color reproduction and tonality demands of professional photographers, this unique mode is the equivalent of changing film types to match shooting conditions or a desired color quality or tonality. Use the “Professional portrait” (F1, F1a, F1b, F1c) modes for reproduction of natural skin tones, and the “Fujichrome” (F2) mode which replicates the color vibrancy of reversal film for highly saturated, high contrast images.

- F1 Studio Portrait Standard: Suppresses highlight washout with studio flash and produces smooth tonality and natural skin color. Replicates the ‘feel’ of negative film used in conventional photography.
- F1a Warm natural skin tones—Pro-grade negative profile: Slightly higher saturation of skin tones and blue. Exploits the extended dynamic range for fine tonality even under studio lighting. Superb expression of the natural skin tone color.
- F1b Vivid blue skies and silky skin tones: Characterized by saturated blues and reproduction of the transparent quality of skin tones. Produces smooth tonality and superb shadow detail under high contrast conditions. Ideal for impressive outdoor portrait results.
- F1c Highly modulated impression—Pro-grade negative profile: Heightens contrast while expressing just the right shadow detail even under soft light sources. Natural skin tones in flat studio lighting or under cloudy skies.
- F2 Color Reversal Film Profile for vivid color: Captures images with high sharpness, highly saturated colors and dynamic tonality. Brings colorful landscapes to life with vibrantly rich colors.



FINEPIX S5

Exposure Control

- ◆ Shutter speeds from 30 to 1/8,000 second and manual setting in 1, 1/2 or 1/3 EV steps put you in total control. Additionally, flash-synchronization is at shutter speeds of up to 1/250 second.
- ◆ White Balance mode with 9 presets: Choose Auto for automatic assessment of light sources or select one of the white balance presets: Incandescent Light, Fluorescent Lamp (1-5), Fine, Flash, Shade and Color Temperature. You can also create and save up to five custom white balance settings, and fine tune each white balance setting.
- ◆ Selectable in 1/3 EV steps, the FinePix S5 Pro offers a sensitivity range of ISO 100 to ISO 3200. When the brightness of the subject exceeds the exposure control range in the P, S or A modes, or an appropriate level of exposure cannot be achieved for the manual mode shutter speed and aperture, it automatically adjusts sensitivity within the range of ISO 100 to 3200 for optimum exposure.
- ◆ Multiple exposure function records a single image from 2 to 10 (maximum) exposures
- ◆ Choice of 4 exposure control modes: Program [P], Shutter-Priority [S], Aperture-Priority [A] and Manual [M] exposure modes.
- ◆ Fully supports Adobe RGB color space, the choice and standard of graphics professionals and the printing industry.

Exposure Control

- ◆ Built-in pop-up flash features high-precision output using i-TTL flash control. Ready for advanced wireless lighting, the built-in commander function serves as the master for remote wireless control of up to two 'slaved' groups. With a guide number of 12, it provides view angle coverage for an 18mm lens. Convenient functions such as repeating flash for multiple-exposure photography and modeling flash for assessing overall lighting prior to shooting are also available.
- ◆ When working with i-TTL compatible external flashes, the i-TTL flash system with monitor pre-flash metering technology can determine the appropriate flash output by emitting a flash immediately prior to the shot and metering both ambient light and the reflected light from the primary subject with the 1,005-pixel RGB sensor.

Solid Body and Shutter Release

- ◆ With advanced technologies and mechanisms housed within a rugged, but lightweight magnesium body, the FinePix S5 is durable, dependable and ready for the most rigorous of assignments. And, with an enhanced sealing system protecting each and every seam, the body offers reassuring resistance to causal moisture and dust.
- ◆ Tested to well over 100,000 cycles, the double-bladed shutter unit ensures the highest level of durability and reliability. A shock-absorbing mirror balancer minimizes mirror bounce after shutter release, bringing it to an instant standstill while vibration suppression enhances silent operation. Mirror motion speed significantly reduces image blackout.

2.5" LCD Display and Electronic Viewfinder

- ◆ High performance viewfinder boasts a magnification of 0.94x and approximately 95% coverage to support comfortable viewing and composition. Photographic data and settings status are clearly displayed in digital readout of the viewfinder. The Vari-Brite Focus Area display aids smooth confirmation of the selected focus area, while a Multi-Display Screen provides a convenient grid display.
- ◆ The high quality 2.5" LCD display provides over 235,000 pixels of resolution, gives 100% frame coverage, and accurate color, to accurately check image focus and color rendition. The LCD provides comfortable viewing of not only image data but also the large characters and optimized color scheme of the menu screens. Further image confirmation comes from the ability to display an image histogram and view image metadata.
- ◆ 'Live View' function for more precise focusing and view angle setting. With the mirror in the up position (for up to 30 seconds), the image captured through the lens can be directly confirmed on the LCD monitor. According to the scene and the subject you scan elect color or monochrome display for even more precise focusing.
- ◆ Multi-data display function provides a precise grasp of captured image data. In addition to a standard histogram display, you can check color and brightness for each RGB channel with RGB histogram or receive "washout" warnings. You can also confirm the 'active' AF focus area and other shooting details for each captured image.



Optional HS-V3 Hyper-Utility Software

HS-V3 Hyper-Utility Software uses 3D-LUT image processing technology to convert CCD-RW 14bit data into image data files with high precision. FujiFilm technology lets you replicate color quality that approaches that of film. Use Velvia Mode to reproduce blue skies with amazing clarity and enhance photos with luxuriously saturated color. Choose the Studio Portrait EX Mode for tonal touch and broad color reproduction rivaling professional negative film.



A Masking Function displays the image with masking size selected on the camera. Confirm cropping to precisely meet the various print sizes.

With the mirror in the up position, PC "Live View" lets you use the HS-V3 window to directly view the image seen through the lens of the camera. It is ideal for focus and view angle settings for high-angle shots that are difficult to check in the viewfinder

- ◆ PC Control Mode for remote shutter release from the computer
- ◆ Face Zoom In function for accurate detection of faces

FINEPIX S5

Nikon F Mount



The FinePix S5 Pro incorporates the Nikon F-Mount to accommodate a full range of Nikkor F-series lenses - including AF-D, AF-G and AF-S type professional optics. The camera is also compatible with Nikon Flash units, the Nikon MB-D200 Extension Grip, and the Nikon MC-35 GPS Adapter.

FinePix S5 Included Accessories

- NP-150 Rechargeable Li-ion Battery
- BC-150 Battery charger
- USB and Video Cables • Shoulder Strap
- LCD Cover • Accessory Shoe Cover
- Software CD (Image browser with CCD-RAW converting function)

FinePix S5	
Effective Resolution	12.1 Million Pixels
LCD Display (Size, Pixels)	2.5", 230,000
Image File Formats	JPEG (Fine, Normal), CCD-RAW(14bit) , CCD-RAW + JPEG Exif 2.21, DCF 2.0 & DPOF compliant
Color Modes	sRGB, Adobe RGB, Film Simulation (F1, F1a, F1b, F1c, F2)
Focus Type	TTL phase detection using Nikon Multi-CAM 1000 autofocus module with AF assist illuminator (Single Servo AF(S), Continuous Servo AF(C), Manual focus(M))
Exposure Control	Auto ISO, Selectable ISO 100 - 3200
Shutter Speed (seconds)	30 - 1/8000
Exposure Metering	Three-mode TTL exposure metering (3D Color Matrix Metering II, Center-weighted, Spot)
Built-in Flash / Effective Flash Range	Pop-up (i-TTL balanced fill-flash or standard i-TTL flash) / Approx 30'
External Flash Connection / Control	X-contact hot-shoe (with i-TTL support), PC sync terminal
Max Flash Synchronization Speed	1/250 Second
Burst Capability	Up to 3 fps
Compatible Memory Cards	CompactFlash (Type I & II)
Computer Interface	USB 2.0
Battery Type / Power Adapter	NP-150 Rechargeable Li-ion Battery / AC-135VN AC Adapter (optional)
Dimensions (HxWxD)/ Weight	4.4 x 5.8 x 2.9" / 29.3 oz. (Body Only)

IS-1 *Infra-red Digital SLR*

Designed for capturing images in the infrared light spectrum, the IS-1 is ideal for use in law enforcement, medical/dental and science fields. A successor to the S3 Pro, the IS-1 will help law enforcement officers solve crimes by capturing evidence not easily seen by the human eye. It can be used in both the visible and infrared light spectrums, making the evidence-gathering process more efficient and accurate. For example, it has a continuous live preview feature, an advantage during infrared photography for focusing and composing when using dark lens filters. It also has an articulating LCD, which simplifies the processes of previewing, capturing and reviewing photos. Its 28-300mm 10.7x optical zoom system is built-in, minimizing dust, making operation a snap for forensic photographers. With an infrared cut or "hot mirror" filter on the lens, the IS-1 can capture a visible light image very close in quality to that of a standard digital camera, adding flexibility and cost-effectiveness to the overall package.



- ◆ Specific wavelengths can be isolated and captured from daylight or artificial light sources via lens filtering or by use of an Alternative Light Source (ALS) such as a forensic crime scope lighting technology like those from SPEX Forensics. The IS-1's built-in flash provides a limited amount of IR light and can be used to increase available light when filtering the lens for IR.
- ◆ 9-megapixel Super CCD sensor sensitive to both visible and infrared light (approx. 400nm-900nm).
- ◆ 28-300mm (10.7x) Fujinon zoom lens with manual twist-barrel zoom control
- ◆ Class-leading sensitivity of ISO 1600 at full resolution for shooting in low light
- ◆ Low sensitivity of 80 for ultra-high quality photography.
- ◆ 2" (235,000-pixel) tilting LCD screen for easy high and low angle shooting
- ◆ Ultra-fast response times (0.01 second shutter lag and 0.8-second start-up)
- ◆ Records to xD-Picture or CompactFlash cards (as well as Microdrives).

H3D

World's First 48mm Full-Frame Digital SLR Camera System

Setting new benchmark in high-end digital SLR camera systems for professional photographers, the H3D takes photographic flexibility and image quality to levels never seen before. When compared with high-end 35mm digital SLRs, the H3D delivers unmatched pixel resolution, better colors and detail rendering and a choice of viewfinders for creative image composition. In comparison with digital backs, the H3D delivers image quality with a higher level of detail and true sharpness thanks to Hasselblad's Digital APO Correction (DAC) and the advances of its new Ultra-Focus functionality. The H3D's full-frame concept offers unique control of image composition, and with the 28mm lens, the H3D allows photographers to take wide angle shots on a 36 x 48mm sensor.

Available in three models, the H3D-22 (22-megapixels), H3D-31 (31-megapixels) and the H3D-39 (39 megapixels), offer image capture with a resolution more than twice the size of a high-end 35mm camera sensor. The system's viewfinders and extra large and bright lenses enable extremely precise compositions and easy operation in dim lighting.



with perfect pixel definition, optimizes the basis for image rendering.

The H3D is built around a brand new digital camera engine, providing a new standard of image sharpness, 'Ultra-Focus'. In the H3D camera, information about lens and exact capture conditions are fed into the digital camera engine for ultra-fine-tuning of the auto-focus mechanism, taking into account the design of the lens and the optical specification of the sensor. By then adding Digital APO Correction (DAC) - digital, APO-chromatic correction of the color aberration and distortion in the images - Hasselblad raises the performance of the full HC lens range to a new level of sharpness and resolution and,

Sensors for all Types of Shooting

The H3D-22 and its nearly double-resolution H3D-39 counterpart are both full-frame 48mm DSLR's using the sensor format 36x48mm. These cameras operate up to ISO400 with a capture speed of up to 1.4 seconds per capture. The H3D-22 and H3D-39 are the preferred choice of professional commercial photographers.

The H3D-31 features a 31-megapixel sensor measuring 33x 44mm enhanced with micro-lenses to boost ISO rating by one stop to a new maximum of ISO800. As with its fellow H3D models, the H3D-31 makes use of a new high speed capture architecture for the fastest possible operation, with the H3D-31 capturing at the rate of 1.2 seconds per capture, working either mobile or tethered to a computer. These features make the H3D-31 the natural choice for the professional mobile photographer.

Model	Pixels	Sensor Format	ISO Range	Capture Speed	HC Lens Factor	HCD28 Equivalent Focal Length
H3D-22	22 million	49.0 x 36.7mm	ISO 50 - 400	1.4 sec / capture	1.1	28mm (Full-Frame)
H3D-31	31 million	44.2 x 33.1mm	ISO 100 - 800	1.2 sec / capture	1.3	31mm
H3D-39	39 million	49.0 x 36.7mm	ISO 50 - 400	1.4 sec / capture	1.1	28mm (Full-Frame)

HASSELBLAD

H3D

Large Format Digital Capture

In digital photography, the advantages of large format cameras become particularly obvious. The 6 x 4.5cm window allows the H3D to use the largest image sensors currently available in digital photography – more than twice the size of a 35mm camera sensor. The sensor therefore holds more and larger pixels, which secure a high-end image quality in terms of moiré free color rendering without gradation break-ups in even the finest lit surfaces.

Choice of Viewfinders

One of the traditional advantages of medium format is the extra large and bright viewfinder image. The H3D comes with a new HVD90X viewfinder designed for full performance over the large 36x48mm sensor. It is interchangeable with the HV90X and the waist-level viewfinder, the HVM. This bright and large viewfinder image is ideal for creative composing. Photographer can maintain eye contact with the model, and impact from shooting from a point lower than eye-level is achieved.

DNG Workflow

3FR files can be converted into Adobe's raw image format DNG ('Digital NeGative'), bringing this technology standard to professional photographers. In order to optimize the colors of the DNG file format, conversion from the 3FR must take place through FlexColor. The DNG file format enables raw, compressed image files to be opened directly in Photoshop. Hasselblad image files carry a full set of metadata, including capture conditions, keywords and copyright, facilitating workflow with image asset management solutions.

Instant Approval Architecture

Building on the success of its Audio Exposure Feedback technology, Hasselblad has created Instant Approval Architecture (IAA), an enhanced set of feedback tools, designed to liberate the photographer from the selection process and to concentrate on the shoot. Audible and visible signals as well as recorded information in the file and in the file name all promote a quick and easy classification in the field or in the lab. Sorting becomes automatic, accessible and very fast, facilitating reviewing the best images for immediate presentation.

Unique Hasselblad Natural Color Solution

Normally troublesome subjects such as various skin tones, metals, fabrics, flowers, etc. are easily captured by using the new, powerful color profile - the Hasselblad Natural Color Solution (HNCS). It works invisibly in the background in conjunction with the FlexColor imaging software, producing outstanding and reliable out-of-the-box results. In order to support our new unique color system, we have developed a custom Hasselblad raw file format called 3F RAW (3FR). The file format includes lossless image compression, which reduces the required storage space by 33%.

Four Modes of Operation and Storage

Optimum portability and image storage are critical for the professional photographer. On the digital front, the H3D offers a free choice of the portable CF card storage, the flexible Firewire driven Hasselblad Imagebank (a 100GB drive with a write speed of up to 60MB/sec), or tethered operation with extended, special capture controls. On the film front, an optional 120/220 magazine is offered for those occasions where film is preferred. With these four operating and storage options, the photographer is able to select the best mode to suit the nature of the work at hand, whether in the studio or on location.

"Instant" User Interface

The H3D is operated via an easy-to-use user interface, utilizing a series of "instant" one-button-click operations including instant capture, instant browse, instant approval, instant zoom, and instant image info. Autofocus with Ultra-Focus digital feedback. Instant manual focus override. AF metering with passive central cross-type sensor. Metering range EV 1 to 19 at ISO 100. For flash control employ automatic TTL centre weighted system. Use built-in flash or flashes compatible with SCA3002 (Metz). Output can be adjusted from $\pm 3EV$. For manual flashes a built-in metering system is available. Exposure metering options include : Spot, Center-weighted and Center Spot.

FlexColor Workflow

FlexColor enables you to create an image processing workflow that gives you the highest degree of control for your studio photography. In tethered operation, tools such as overlay masking help bring productivity to advanced set composition. The latest version of the FlexColor software enables you to manipulate color temperature and compare image details across multiple images for precise image selection. FlexColor uses the 3FR files and runs on both Macintosh and Windows. The software is licensed allowing free copies for all your co-workers and production partners..

Modular Design for Flexibility

The H3D offers the choice of working with film using an H System film magazine. This option permits photography in extreme temperature environments or when extreme exposure times are demanded. For increased usefulness, the digital capture unit of the H3D can also be detached and used on a view camera by way of an adapter. In this case the unit is controlled by the flash sync signal from the view camera shutter. A clean and dust-free sensor is essential and the modular design of the camera allows for easy access for cleaning, saving you hours of retouching work later.

Hasselblad HC and HCD Lenses

The advantages of the central lens shutters of HC/HCD lenses adds flexibility by allowing flash to be employed at shutter speeds up to 1/800s. Thanks to the large format, the depth of field range is considerably shallower making it much easier to create a perfect interplay between sharpness and blur. H System cameras and lenses are designed and built for durability and high quality performance, both for rough location work and for the demands of a studio photographer, something you notice the moment you hold the camera.

LENSES

A camera as fast and versatile as the H3D demands the very best from its lenses. All HC lenses are engineered to ensure optimal performance and image quality, whether using film or digital. No short-cuts, no compromises. All HC lenses have electronic shutter mechanisms and feature Multi Coating for efficient stray light elimination, an integral focus drive motor, and instant access to manual focus without switching between manual and auto focus. The HC lenses use metal, not plastic, wherever possible, in order to ensure their reliability and durability year after year. In addition, the special optical design of the lenses provides a uniquely soft, smooth quality to the blurred or out-of-focus areas of the image. All lenses use threaded filters and include lens shade and bayonet mount and can be reverse mounted for transport.

HCD 28mm f/4 (HAHCD28)

This retro focus lens has a 95° diagonal angle of view making it the most extreme wide-angle lens presently available in the medium-format. Outstanding results are achieved throughout the focusing range exhibiting excellent corner-to-corner sharpness. Whether through requirement or for effect, this lens can prove very useful for a wide range of assignments. (Note, the lens is designed specifically for the H3D camera and is for digital use only. It is not compatible with the HM 16-32 film magazine, HMi 100 film magazine or the H1.7x Converter.)3874.95

HC 35mm f/3.5 (HA3535HC)

A retro focus lens with 89° diagonal angle of view. This lens offers outstanding corner-to-corner sharpness, low dispersion glass, even illumination, and features an advanced optical design with rear focus mechanism to ensure high performance even at the close focusing range. Filter diameter is 95mm3044.00

HC 50mm f/3.5 (HA5035HC)

An all-round, wide-angle lens. A versatile all-purpose lens, incorporating a moderate wide-angle effect, and featuring advanced optical design with rear focus mechanism. Corner-to-corner illumination is very even at all aperture settings, and distortion and stray light are extremely well controlled. Filter diameter is 77mm3034.00

HC 80mm f/2.8 (HA8028HC)

The standard lens for the H3D. The high-performance design ensures great color correction, a flat image plane, and low distortion. The large aperture facilitates photography in poor light and provides a bright viewfinder image. A lens suited for almost any task in general photography. Filter diameter is 67mm1819.00

HC 100mm f/2.2 (HA10022HC)

The 100mm is a fast lens particularly suited to low-light situations or for action shots where higher shutter speeds are required. The slightly longer than standard length coupled with its shorter depth-of-field makes it an interesting choice for portraits too in many instances. Filter diameter is 77mm2917.00

HC 120mm f/4.0 Macro (HA1204HCM)

The 120mm f/4.0 Macro has exceptionally high performance making it a very versatile lens not only for close-up work but general applications too where a slightly long lens is required. Image quality and light distribution, even in the close focusing range as well as at maximum aperture are extremely good. Focusing, manual or autofocus, is from infinity to 1:1 scale without the need for extension tubes. Autofocus range can also be limited to near range, far range or full range by a setting on the camera. Filter diameter is 67mm3500.00



HCD
28mm f/4

HCD 35mm f/3.5

HCD 50mm f/3.5

HCD 80mm f/2.8

HCD
120mm f/4.0
Macro

HASSELBLAD

LENSES



HC 150mm f/3.2

HC 210mm f/4.0

HC 50-110mm f/3.5-4.5

1.7x Tele-Converter

CF Adapter

HC 150mm f/3.2 (HA15032HC)

An ideal portrait lens, it provides the ideal perspective for head and shoulder portraits, and is also very suitable for landscape photography. Its focal length offers a moderate, but clearly visible, telephoto effect and the shallow depth-of-field can be used to set distracting backgrounds out of focus. Features internal focus mechanism, fast AF, and is ideal for lower light conditions. Filter diameter is 77mm2719.00

HC 210mm f/4.0 (HA21040HC)

A universal telephoto lens with outstanding performance. The longer focal length is excellent for tightly framed shots, enabling a shallow depth-of-field to be used to make the main subject stand out noticeably. The HC 4/210 is a superior telephoto lens and features our advanced internal focus mechanism, making this lens an ideal choice for hand-held location work in portrait, fashion, nature, and commercial photography. Filter diameter is 77mm3154.00

HC 300mm f/4.5 (HA30045HC)

The longest lens in the HC lens range. It has a fast autofocus reaction making it suitable for certain sports and wildlife applications. The high quality even at wide apertures makes it suitable for fashion photographers needing to blur out disturbing backgrounds. This high performance lens also features an integral rotatable tripod mount for rapid horizontal and vertical composition change. Filter diameter is 95mm3918.00

HC 50-110mm f/3.5-4.5 (HA5011035HC)

Offering a zoom range from wide-angle to short telephoto, this lens boasts exceptionally high image quality at all focal length settings, whether shooting film or digital, and is comparable with corresponding fixed focal length lenses. Filter size is 95mm3918.00

1.7x Tele-Converter (HA17XE)

Convenient way to expand your range of lenses, the 1.7x features the same outstanding optical and mechanical quality as all Hasselblad H system lenses. (Not compatible with the 28mm, 35mm or 50-110mm. With the 300mm, AF function is disabled)1344.00

CF Adapter (HACFLA)

Allows all lenses from the V system to be used with the H3D, automatically expanding the potential lens range for the H3D more than a dozen different focal lengths. This is a truly useful accessory for professional photographers who need occasional access to specific lenses not used in their everyday work.....1045.00

Model	Focal Length	Equivalent 35mm Focal Length	Aperture Range	No. of Elements/Groups	Focusing Range	Filter Diameter	Dimensions (LW) and Weight
HCD 28mm f/4	28.9mm	22mm	4 - 32	12/9	0.35m - ∞	95mm	4 x 4" / 30 oz.
HC 35mm f/3.5	35.8mm	22mm	3.5 - 32	11/10	0.5m - ∞	95mm	4.9 x 3.9" / 34 oz.
HC 50mm f/3.5	50.4mm	28mm	3.5 - 32	10/9	0.6m - ∞	77mm	4.6 x 3.4" / 34 oz.
HC 80mm f/2.8	82.3mm	45mm	2.8 - 32	6/6	0.7m - ∞	67mm	2.8 x 3.3" / 17 oz.
HC 100mm f/2.2	100.0mm	50mm	2.2 - 32	6/5	0.9m - ∞	77mm	NA / 28 oz.
HC 120mm f/4.0 Macro	118.7mm	73mm	4 - 45	9/9	0.39m - ∞	67mm	NA / 49.7 oz.
HC 150mm f/3.2	150.0mm	85mm	3.2 - 45	9/8	1.3m - ∞	77mm	4.9 x 3.4" / 35 oz.
HC 210mm f/4.0	211.1mm	128mm	4 - 45	10/6	1.8m - ∞	77mm	6.5 x 3.3" / 2.9 lbs.
HC 300mm f/4.5	292.0mm	170mm	4.5 - 45	9/7	2.5m - ∞	95mm	NA / 76 oz.

VIEWFINDERS

Customizing your way of working is one of the great benefits of a modular system. Three different viewfinders are offered with the H System to suit your preferences. There are two 90° reflex viewfinders, one for film/digital and the other for purely digital use. Both have dot matrix LCD display, integral flash unit and databus connectors. There is also a waist-level magnifying hood for low-level shooting and other applications.



HV90x Prism Viewfinder (HAVHV90X)

The HV90x is a 90° reflex viewfinder, providing 100% field of view even when wearing eyeglasses, and built-in multi-mode light metering system. It features 2.7x image magnification, integrated fill-in flash with guide number 12, a hot-shoe for automatic flash (Metz SCA3002 system / adapter SCA3902), a dot matrix LCD that shows all relevant information, and built-in diopter adjustment from -4 to +2.5.

HVM Waist Level Viewfinder (HAWLV)

The HVM waist level viewfinder allows a comfortable lower viewing angle either for effect or where eye contact with the subject is desirable in portrait photography, for example. Autofocus function of all lenses fully retained. Optimized for horizontal format shooting and not suitable for vertical format use. An enlarging eyepiece is fitted to provide a close view of the focusing screen. For viewing at a distance, it can be either temporarily flipped away or removed if desired. Custom made eyesight correction lenses (available from opticians) can be fitted for optimal viewing comfort and accuracy.

HVD 90x Viewfinder

This 90° reflex viewfinder is specifically designed for digital photography to provide an enlarged view to match the sensor format. Supplied with the H3D, the HVD 90x offers a 100% field of view even when wearing eyeglasses. Three metering modes, Center Weighted, Center Spot and Spot, are available. It can also be used together with film magazines if 100% composition accuracy is not necessary. It has a 3.1x image magnification, integrated fill-in flash with guide number 12, a hot-shoe for automatic flash (Metz SCA3002 system / adapter SCA3902), a dot matrix LCD with presentation of all relevant information, and built-in diopter adjustment from -5 to +3.5.

DETACHABLE FILM MAGAZINES

Detachable film magazines allow the photographer to exchange exposed film for unexposed in seconds, or change between film types, lengths, and formats without losing a single frame. Carrying extra, pre-loaded film magazines effectively increase your readiness and efficiency, in the studio or in the field. Film magazines also broaden the scope of H cameras allowing them to tackle areas where digital backs are not always suitable; specialist films for scientific or other applications, long exposures, night photography etc.



Film Magazine HM 16-32 (HAHM1632M): Easy to load on or off the camera, the HM 16-32 magazine uses either 120 or 220 film (16 or 32 frames), and can be changed in the middle of the roll without losing a single frame. It is equipped with an LCD, and has indicators and safety features to prevent mistakes. It has a built-in dark slide, battery-powered memory, and Barcode recognition function.

HMi-100 Polaroid Film Magazine (HAIFM): For type 100 instant film. Extremely useful for quickly checking exposure, lighting, and composition. The magazine is attached and removed as easily as standard film magazines.....**642.00**

ACCESSORIES

The Hasselblad approach to quality is not limited to cameras and lenses. Each one of the specially designed H accessories plays its part in producing the finest images possible. In true Hasselblad style, the accessory range is expanding to meet photographers' needs and is destined to be the widest in the world.

13mm Extension Tube (HAET13H1).....305.00

26mm Extension Tube (HAET26H1).....309.00

52mm Extension Tube (HAET52H1).....386.00

Battery Grip CR-123 (HAGB123H1): Removable grip with battery compartment. For use with three CR-123 lithium batteries**151.00**

7.2v Rechargeable Battery Grip (HABGH1)
Removable H1 grip containing a li-ion rechargeable battery with capacity of up to 1850 mAh.....**212.00**

Battery Charger (HACBH1Q): Charger for 7.2v Rechargeable Battery Grip**175.00**

Battery Charger (HACBH1): Charger for older 9.6v Rechargeable Grip**175.00**

Pro Shade V/H 60-95 (HAPLH6095H)
An adjustable bellows lens shade that provides highly efficient protection against stray light. Its compact, flat folding design saves space in the equipment case. By using the Pro Shade adapters, this shade can be fitted to all Hasselblad H-system lenses as well as all V-system lenses except the Distagon CFI 30mm and Tele-Superachromat FE 300mm. The shade features a filter holder for glass, gelatin, or plastic filters. The bellows folds down for easy access to the filter holder or for viewing without filter. It is supplied with a Pro Shade Mask 6093/250.....**418.00**

67mm Pro Shade Adapter (HAAPS609567)
Attaches to the Pro Shade V/H 60-95 and fits HC lenses with 67mm filter size. Bayonet mounts with lock to provide positive and secure attachment.....**151.00**

77mm Pro Shade Adapter (HAAPS609577)
Fits HC lenses with 77mm filter size**151.00**

95mm Pro Shade Adapter (HAAPS609595)
Fits HC lenses with 95mm filter size**179.00**

Mounts for 3" Gelatin Filters (HAFH336093)
Adhesive cardboard mounts with 4 x 4" outside dimensions for use with 3 x 3" gelatin filters. Fits the Pro Shade V/H 60-95**43.00**

Mounts for 4" Gelatin Filters (HAFH446093)
Adhesive cardboard mounts with 4 x 4" outside dimensions for use with 4 x 4" gelatin filters. Fits the Pro Shade V/H 60-95**53.00**



13mm, 26mm and 52mm Extension Tubes

Battery Charger

Pro Shade V/H 60-95

67mm Pro Shade Adapter

HS-Grid and HS-Standard Focusing Screens

Flash Adapter SCA 3902

Mounts for 4" Gelatin Filters

Release Cord H (HARCH)
19" remote release cord for H cameras**79.00**

UV-Sky 67mm Glass Filter (HAUVS67)
Absorbs UV radiation and reduces blue haze without affecting colors. Protects the front lens surface.....**98.00**

UV-Sky 77mm Glass Filter (HAUVS77)....112.00

UV-Sky 95mm Glass Filter (HAUVS95)....145.00

Circular 67mm Polarizing Filter (HAP67)
Eliminates ultraviolet rays to remove haze from outdoor shots as well as polarizing the light to remove reflections, and increase color saturation.....**165.00**

Circular 77mm Polarizing Filter (HAP77)231.00

Circular 95mm Polarizing Filter (HAP95)349.00

Tripod Quick Coupling H (HATQCH)
Mounted on a tripod, this accessory facilitates rapid attachment and removal of the camera. The camera is firmly held in an exact and repeatable position. Two integrated spirit levels make horizontal positioning of the camera easy. It fits 1/4" and 3/8" tripod threads and has a safety catch**137.00**

Camera Strap H (HASH1)
Extra wide camera strap with anti-slip backing for Hasselblad H cameras**59.95**

Wrist Strap H (HASWH1)
It attaches to the grip and improves comfort and security in hand-held photography...**49.00**

Focusing Screen HS-Grid (HAFSHSG)
Spherical Acute-Matte D type with grid and central markings for spot (Ø7.5 mm) and AF metering area. Grid provides a visual aid for various applications including technical and architectural work**135.00**

Focusing Screen HS-Standard (HAFSHSC)
Spherical Acute-Matte D type. Central markings for spot (Ø7.5 mm) and AF metering area. Supplied with all H camera bodies .**CALL**

Flash Adapter SCA 3902 (HASCA3902)
For connecting flashes compatible with the SCA 3002 system to H cameras**171.00**

LENS ADAPTERS

Teleplus

Teleconverters for Digital SLR Cameras

Placed between the camera body and lens, a teleconverter contains a set of optics that will effectively increase the focal

length of any lens it is used with. Kenko's 1.5x and 2x Teleplus converters have the effect of multiplying the focal length of your lens by 1.5x or 2.0x. For example, using the MC1.5DG with a 300 mm lens will effectively increase the focal length to 450mm. Using the MC4DG 2x teleconverter with a 300mm lens will effectively increase the focal length to 600mm. They are an easy and inexpensive way to increase the abilities of your telephoto lens without the expense of purchasing and carrying another telephoto lens. Kenko Teleplus converters are small and easy to carry in your camera bag.

Incorporating circuitry to work with the latest digital cameras, Kenko's converters also feature genuine Gate Array IC (Integrated Circuitry). This allows the converters to maintain signal integrity between the camera body and lens. Their 4- and 7-element design is made with high quality multicoated optical glass from Hoya, the worlds largest manufacturer of glass. Full AF operation with the converters is possible with camera lenses with open aperture of f4 or brighter. (AF will only work properly if there is enough light and contrast on the subject to activate the camera's AF sensors. (Manual focusing is recommended when using lenses with smaller open f-stop value than those given above.)

MC1.5DG 1.5x (4 elements in 4 groups)

Available for Canon EOS (KE1.5XCD), Nikon (KE1.5XND), Sony/Minolta (KE1.5XMD) and Pentax (KE1.5XPD)**86.95**

MC4DG 2x (4 elements in 4 groups)

Available for Canon EOS (KE2X4CD), Nikon (KE2X4ND) Sony/Minolta (KE2X4MD) and Pentax (KE2X4PAF)**94.95**

MC7DG 2x (7 elements in 5 groups)

Available for Canon EOS (KE2X7CD), Nikon (KE2X7ND), Sony/Minolta (KE2X7MD) and Pentax (KE2X7PD)**134.95**



Kenko PRO 300DG 3.0x

Placed between the camera body and lens, a teleconverter contains a set of optics that will effectively increase the focal length of a lens by a specific amount. Common magnifications are 1.4x and 2x, but the Kenko Teleplus PRO 300DG AF converter has a 3x magnification. For example, using a 3 times (3x) teleconverter will increase the focal of 300mm lens to 900mm.

The Teleplus PRO 300DG AF is made with high quality multicoated optical glass. It is designed for use with lenses of 50mm or above and work best with 100mm to 500mm tele lenses.

Incorporating circuitry to work with the latest digital cameras, the Teleplus PRO 300DG AF converter also has genuine Gate Array IC (Integrated Circuitry), so the converter maintains signal integrity between the camera body and lens. These converters are designed to electronically operate the same way an original manufacturer's converter would provided there is enough light available.

Note: Due to the 3 stop light loss inherent in a 3x converter, the PRO 300 will not auto focus with lenses that have a smaller aperture than f/2.8. With all lenses having apertures smaller than f/2.8, Kenko recommends using the PRO 300 3x in manual focus mode.

Pro 300DG 3x Teleconverter (KE3XP300CD): For Canon EOS.....**224.95**

Pro 300DG 3x Teleconverter (KE3XP300ND): For Nikon**224.95**

Pro 300DG 3x Teleconverter (KE3XP300MD): For Sony/Minolta.....**224.95**



Kenko PRO 300DG 2.0x and 1.4x

Like the 3x, the Teleplus PRO 300 2x and 1.4x converters are made with precision quality multicoated optical glass supplied by Hoya Corporation.

These glass elements are designed to match the optical quality of the prime lens (even at the edges) and telephoto zoom lenses. The optical design of the elements and light path is wide enough not to cause vignetting.

They are designed specifically to be used with prime telephoto lenses of 100mm or above, such as the Tokina AT-X 300 AF PRO, 300mm f/2.8 lens, and work best with telephoto lenses of 200mm to 500mm.

Like the 3x, the Teleplus PRO 300 2x and 1.4x converters have genuine Gate Array IC (Integrated Circuitry). This means that the converter's own unique circuitry maintains signal integrity between the camera body and lens. These converters are designed to electronically operate the same way as an original manufacturer's converter.

Full AF operation with 2.0x is possible when using camera lenses with maximum aperture of F2.8 or brighter. Please be aware that AF will work properly only if there is enough light and contrast on the subject to activate the camera's AF sensors. (Manual focusing is required when using lenses with smaller maximum f-stop value than those given above). With the 1.4x, full AF operation is possible with camera lenses having a maximum aperture of F4 or brighter. The same light and contrast requirements apply.

2x AF Pro 300DG Teleconverter (KE2XP300CD): For Canon EOS**214.95**

2x AF Pro 300DG Teleconverter (KE2XP300ND): For Nikon**214.95**

2x AF Pro 300DG Teleconverter (KE2XP300MD): For Sony/Minolta**214.95**

1.4x Teleplus Pro 300DG Teleconverter (KE1.4XP300CD): For Canon EOS**194.95**

1.4x Teleplus Pro 300DG Teleconverter (KE1.4XP300ND): For Nikon**194.95**

1.4x Teleplus Pro 300DG Teleconverter (KE1.4XP300MD): For Sony/Minolta**194.95**



KENKO/LENSBABIES

LENS ADAPTERS

Teleplus Extension Tube Set

Extension tubes are designed to enable a lens to focus closer than its normal set minimum focusing distance. Getting closer has the effect of magnifying your subject. They are



exceptionally useful for macro photography, enabling you to convert almost any lens into a macro lens at a fraction of the cost.

The tubes have no optics. They are mounted in between the camera body and lens to create more distance between the lens and film plane. By moving the lens father away from the film in the camera, the lens is forced to focus much closer than normal. The greater the length of the extension tube, the closer the lens can focus.

Kenko's Extension Tube Set contains three tubes (12mm, 20mm, and 36mm) which can be used individually or in any combination. They are designed with all the circuitry and mechanical coupling to maintain AF and TTL auto exposure.

Extension Tube Set DG

For Canon EOS (KEAETSCD), Sony/Minolta (KEAETSMD) and Nikon (KEAETSND)**169.00**

UniPlus Tubes

UniPlus Tube (extension ring) is designed to shoot subjects at closer distance with higher magnification (1/2 for Tube 25 and 1/4 for Tube 12) with 50mm standard lens. Perfect coupling with automatic aperture, TTL metering and AE mechanism.

12mm Autofocus Extension Tube DG

For Canon EOS (KEET12CD), Sony/Minolta (KEET12MD), and Nikon AF-D (KEET12ND)**74.95**

25mm Autofocus Extension Tube DG

For Canon EOS (KEET25CD), Sony/Minolta (KEET25MD), Nikon KEET25ND), and Pentax (KEET25PAF).....**89.95**

Lensbabies

Selective Focus SLR Camera Lenses

Simple & easy to use. Most photographers get rewarding images within a short practice period. The Lensbaby combines several vintage camera technologies into a novel, patent-pending combination.



The shooter focuses a Lensbaby using the same general principle used with a bellows camera – by moving the focusing collar in and out with the fingertips. The photographer moves the 'sweet spot' of focus around the picture plane by bending the glass optic out of a parallel position to the image capture plane, like a tilt-shift lens. Reminiscent of Waterhouse stops, the photographer swaps apertures by removing one aperture ring and replacing it with another.

Original Lensbaby

- Focal Length: around 50mm
- Optical glass element
- Minimum Focus 12"
- Aperture: f2.8, f4, f5.6, f8
- Size 2.25" x 2.5"
- Weight 3.5 oz

Lensbaby Macro Set

- Includes: +4 and +10 macro lenses
- 37mm threads
- +4 lens focuses 6" to 12"
- +10 lens focuses 3.5" to 5"
- Thread +4 and +10 lenses together to focus 2" to 3"
- LEMKL\$32.95

Lensbaby 2.0

- Focal Length: around 50mm
- Element: coated, high refractive index, low dispersion optical glass doublet
- Minimum Focus 12"
- Interchangeable levitating magnetic Aperture: f2.0, f2.8, f4, f5.6, f8
- Size 2.25" x 2.5"
- Weight 3.6 oz

Lensbaby 3G

- Focus Type: Manual/Fin-gertip with 2 additional types of fine focusing
- Element: Same as 2.0
- Interchangeable levitating magnetic Aperture: f/2, f/2.8, f/4, f/5.6, f/8, f/11, f/16, f/22 • Min. Focus 12"
- Size 3" x 3.25"
- Weight 5.7 oz



Lensbaby

- for Canon EOS
- for Canon FD
- for Contax & Yashica
- for Leica R
- for Minolta Maxxum
- for Minolta MD
- for Nikon
- for Olympus D-SLR (4/3 System)
- for Olympus OM MF
- for Pentax K
- for Universal (M42) Screw Mount
- Price**

Original

- LELMCEF
- LELMCFD
- LELMCY
- LELMRL
- LELMML
- LELMMD
- LELMNF
- LELMOE1
- LELMOOM
- LELMPK
- LELMPS
- \$96.00**

2.0

- LEL2MCEF
- LEL2MCFD
- LEL2MCY
- LEL2MLR
- LEL2MMM
- LEL2MMD
- LEL2MNF
- LEL2MOE1
- LEL2MOOM
- LEL2MPK
- LEL2MPS
- \$149.95**

3G

- LEL3GMCEF
-
-
- LEL3GMLR
- LEL3GMM
-
- LEL3GMNF
- LEL3GMOE1
-
- LEL3GMPK
-
- \$269.95**

M8

10.3-Megapixel Digital Rangefinder Camera with Interchangeable Lenses

The dream of many Leica photographers has come true: The greatest 35mm rangefinder camera of all time, the legendary Leica M system is available for professional digital photography. Breaking completely new ground, the Leica M8 doesn't only look like an M - it utilizes all the benefits of the analog Leica M system for sophisticated and creative digital photography. It is the only digital camera for professionals to incorporate the rangefinder system with its advantages of discreet and quiet operation, speed and precision.



And the no-compromise quality criteria of the M system continue to apply to the M8. Full compatibility with nearly all M lenses means that their unique imaging performance is now available for digital photography, too. The low-noise 10.3-megapixel CCD image sensor has been specifically matched to the compact lens design to guarantee superlative photographic quality. The controls and functions of the digital M still concentrate on the essentials. The proven M concept is complemented by the intelligent extra functions that digital technology has to offer.

FEATURES

10.3 Megapixel Resolution

The low-noise CCD image sensor has been optimized for the special features of the M lens system and provides an excellent resolution of 10.3 million pixels. The CCD technology used in the M8 provides a high basic speed of ISO 160 extending to a maximum speed setting of ISO 2500, and produces pictures that rival the image quality of film-based Leica M cameras. A moire filter, which optically filters out fine image details, was deliberately omitted to utilize the full resolution of the Leica M lenses. Instead, any moire patterns are eliminated by the camera's signal processor. Because the light towards the edges impinges on the sensor obliquely with Leica M lenses, the thickness of the cover glass has been reduced to just 0.5mm to prevent unwanted refraction. As a result, the image has uniform brightness right to the edge. To increase the light sensitivity of the CCD sensor, micro lenses are positioned in front of the pixels, and uses a special micro lens structure that is perfectly tailored to the characteristics of the Leica M lenses.

The Fascination of the Moment – Analog and Digital

Photography is the art of using light to capture an image. Whether analog or digital – this basic principle of photography never changes. In 1925, Leica presented the first successful 35mm camera, and became known for uncompromising optical and mechanical quality with incredibly compact cameras. The Leica M3 was launched in 1954 and continues today as the classic retro MP and auto-exposure M7. The world's best photographers have come to rely on the Leica M rangefinder system, which allows them to anticipate how a situation will develop. Together with the analog MP and M7, the digital M8 is now continuing the success story. It is a professional tool that combines genuine M photography with digital image technology – concentrating on what is essential, yet offering uncompromising quality and full system compatibility with the world's best lenses.

Full Light Efficiency

The highest film speed settings of up to ISO 2500 allow much more detailed pictures to be taken than was ever possible with analog films. As a result, the M8 opens up a new chapter in the history of available light photography.

Leica M Lenses

Leica M lenses are recognized as the best in the world and demonstrate their full capabilities on the Leica M8. The extremely high resolution of all M system lenses since 1954 make them perfect for digital photography. The M8 quite deliberately has no resolution reducing moire filter in front of the sensor to maintain the full performance of the lens.

The Leica M8 uses an optical scanner on the camera's bayonet to identify the 6 bit-coding of the current Leica M lenses. This allows the slight vignetting caused by the system to be compensated, further improving the familiar high image quality. The lens type identified is saved in the EXIF data for the image file and the reflector position on modern flash units is adjusted to the image angle depending on the focal length. Existing M lenses can be retroactively 6 bit-coded by Leica.

M-TTL Flash Technology

- ◆ The unique feature of the Leica M-TTL flash technology is that a pre-flash for flash metering is fired immediately before the actual exposure. TTL measurement of the light reflected by the surfaces of the subject determines the exact power required from the main flash. The seamless addition of the flash intensity to the available light results in flash photographs that retain the natural lighting mood.
- ◆ Auto slow sync function lets you use aperture priority mode in conjunction with the flash technology. It ensures that the image background is balanced even if the intensity of the ambient light should change. An appropriate metered amount of fill-in flash is emitted to provide correct exposure. Depending on your experience or the intended effect, various maximum exposure times can be set for aperture priority.



Simple, Intuitive Operation

- ◆ The core controls for operating the digital functions are the direction buttons and rotary setting dial, which in combination allow rapid navigation. By pressing the "Set" button, the picture parameters menu is called up on the 2.5" monitor. Here the principal settings for the picture can quickly be selected: sensor speed, lighting correction, white balance, data compression and picture resolution. Three saved profile slots are available for quickly calling up frequently used and application-specific combinations.
- ◆ The menu button calls up a clear system menu for selecting the long-term basic settings, such as the ECI RGB, Adobe RGB and sRGB colour variants. The photographer can make their own choice about whether the photographs should be shown for checking on the large display directly after they have been taken, how long they should be displayed and whether they wish to see a tonal values histogram with that display.

The Rangefinder System

The rangefinder system is an optical masterpiece, created for cutting-edge photography. Unlike a reflex system, where you focus through the lens, and the focal length and speed determine the accuracy of the measurement, the measuring basis of the M8 remains constant regardless of the lens. This makes it many times more accurate at short focal lengths.

The high-contrast focusing images in the center of the viewfinder field guarantee fast and precise focusing with pinpoint accuracy, even in poor lighting conditions. The image field selector enables you to simulate the effect of a different focal length and thus choose the right lens in advance. The six bright line frames show the exact framing, as the automatic parallax compensation adjusts their position depending on the distance setting. All relevant information needed to achieve a perfect result can be seen in the bright-line frame finder, along with the subject's surroundings – ideal for spontaneous, inconspicuous photography.

Tonal Value Histogram

As a professional digital camera, the M8 provides an RGB tonal value histogram. This can be called up at any time to check the exposure of saved pictures and can also be combined with the automatic review function. Another useful feature is the additional marking of overexposed sections of an image - known as the clipping warning. The particular advantage of this is that these two control tools are constantly updated when zooming in on the LCD display, allowing the quality of even the finest image details to be assessed. Pressing the Info function key displays all of the photographic settings from the quick menu and additional meta-information saved with the image file - this enables you to completely evaluate a picture as soon as you have taken it.

Optimum RAW Data Conversion

Bundled Capture One LE RAW data converter ensures that the raw data supplied by the CCD sensor and saved in the future-proof Adobe digital negative format (DNG) is processed to yield optimum quality. The development of even ultra fine tonal value nuances from the 16 bit-image supplied by the CCD sensor is comparable with the image quality provided by film professionally developed in a photographic laboratory. The logical functions for adjusting the quality and the well-structured user interface mean that Capture One LE can be used to achieve outstanding results with consummate ease and speed.

Compact, Discreet, Supremely Functional

No other professional camera is as compact as the Leica M. As no mirror box is needed, the M8 has a depth of less than 37mm. The M lenses also benefit from the short distance to the focal plane, making them small and lightweight. The incredible compactness of the M8 camera and lenses makes them the ideal equipment for travel and reportage photographers. Mirror vibration and the resulting blurring are not an issue for Leica M8 users. The inconspicuousness, distinct design and barely audible shutter release are yet more reasons for the unique vibrancy of M8 pictures. Time and time again, photographers using the Leica M in areas of tension in the world report that they are not perceived as journalists, allowing them to capture scenes that remain beyond the reach of those using other systems. Portraits appear more relaxed as the camera does not cover the photographer's face and he can maintain eye contact with the model. This discretion is made possible by concentrating on what is essential for photography. This philosophy has been consistently implemented on the M8, bringing the core values of M8 photography into the digital world.

M8

Advanced Features

- ◆ The M8 is designed to deliver professional results over many years. The enclosed all-metal body is made of a high-strength magnesium alloy while the top and base plates are cut from solid brass blocks and then given a black or silver chrome finish. The battery and the SD card slot are located under the base plate and provides effective protection from dust and moisture.
- ◆ The electronically controlled metal blade focal-plane shutter enables shutter speeds of up to 1/8000 second to be achieved. Even in very bright surroundings, the photographer still has total creative freedom thanks to the selective focus feature with open aperture. The high flash synchronization speed of 1/250 second now allows daylight flash photographs to be taken with selective focus.
- ◆ To make cocking the shutter as close to silent as possible, a rubberized silent friction wheel has been placed in the first winding gear stage. A cam disk is used to transfer the force at a constant torque over the entire path of the cocking arm. As a result, the electric motor cocks the shutter almost soundlessly.
- ◆ The M8 has a special function for manually cleaning the sensor. When you select the corresponding option in the menu and press the shutter release, the shutter remains open while cleaning is in progress. The flat profile of the Leica M camera means that the sensor is more easily accessible than in a digital mirror reflex camera, where the sensor is accessible only by reaching behind the mirror mounting.
- ◆ The M8 is supplied with special software that allows the camera to be controlled remotely for scientific work or in a photographic studio. With Leica Digital Capture the camera can be operated from a computer via a USB connection and the image data can be saved directly onto hard disk. The software can send all settings in the exposure parameter menu, e. g. sensitivity and resolution, to the camera.
- ◆ The camera also has a traditional threaded release button for the use of a cable release.
- ◆ A display on the left-hand side of the top plate constantly shows the remaining capacity of the SD card and the battery. The information is available at a glance at all times.

M8 Specifications:

Image Sensor: 10.3 million pixel low-noise CCD sensor tailored to the M lens system

Viewfinder: Large light bright line frame viewfinder/rangefinder with automatic parallax compensation. Viewfinder lens optimal visibility of all bright line frames whatever the lighting situation. Eyepiece coordinated to -0.5 dpt. Correction lenses available from ± 3 dpt. Image field limiter by activating two bright lines each: for 24 and 35 mm/28 and 90 mm/50 and 75 mm. Automatic activation when lens is screwed in. With the image field selector each pair of the bright lines can be activated manually, so simulating each focal length. Parallax compensation: the horizontal and vertical difference between the viewfinder and the lens is automatically compensated according to the focusing distance used, i.e. the viewfinder bright-line frame automatically aligns with the subject detail recorded by the lens. Magnification 0.68 x (with all lenses). Combination of split and superimposed image range finder shown as a bright field in the center of the viewfinder image.

Exposure Control: Automatic mode (Auto) with manual aperture preselection with relevant viewfinder display. Manual exposure – camera exposure check visible via LED light balance shown in the viewfinder.

Picture-Taking Modes: Single frame picture-taking, for one shutter release whenever shutter is pressed; Continuous shooting with 2 pictures per second and 10 picture in series. 2- and 12-second self-timer.

Color Monitor: 2.5" bright LC display with a resolution of approx. 230,000 pixels for image reproduction and menu selection. Brightness control in 5 levels. RGB tone value histogram with identification of light image details without detailing (can also be used with zoom-in).

Data Formats: DNG : 3916 x 2634 pixels (10.31 MP), JPG : 3936 x 2630 pixels (10.35 MP), 2952 x 1972 pixels (5.8 MP), 1968 x 1315 Pixel (2.6 MP), 1312 x 876 Pixel (1.15 MP). DNG , 2 different highly compressed JPEG levels.

Storage Medium: SD cards up to 4 GB

White Balance: Automatic, 6 presettings, manual white balance, color temperature input from 2,000 K to 13,100 K.

Color Spaces: Adobe RGB, sRGB, ECI RGB.

Metering: TTL metering heavily center-weighted with preset working aperture. Metering range EV 0 to EV 20 at room temperature 20° C, aperture 1.0 and ISO 160/23°.

Flash: M-TTL Guide Number Control with metering preflash via accessory shoe SCA 3502 (from version M4) or with flash LEICA SF24 D. Fast 1/250s provides for creative open aperture photography even with bright ambient light. Manual flash sync times from B (bulb) to 1/250 sec.

Shutter Speed: In automatic mode (A) steplessly from 32 to 1/8000. Using manual setting 4-to 1/8000 in half steps. B for long exposures of any duration. Shutter action optimized for minimum noise.

Battery: Lithium-ion rechargeable battery with 3.7 V and 1900 mAh.

Computer Interface: 5-pin standardized mini USB port for fast USB 2.0 data transfer to computer on left side of housing. With Leica DIGITAL CAPTURE camera can be software-controlled via USB 2.0 connection.

Construction: Closed solid metal housing made of a highly stable magnesium alloy for long-lasting professional usage. Black synthetic leather covering. Cover plate and base cover milled from solid brass and silver or black chrome-plated. Tripod bushing DIN4503 – A1/4 (1/4") at center of base cover.

Includes: Carrying strap with anti-slip guard, camera cover for M bayonet, lithium ion battery charger, car and 3 mains plug adapters (Euro, UK, USA), USB connecting lead, CD Capture One LE, software CD with Leica DIGITAL CAPTURE.

M8 ACCESSORIES



Ever-Ready Case (LECLM8): A soft black leather case holds an M8 with an attached lens up to 70mm. A rotating lower section allows you to change the battery and memory card without removing the case.....**219.95**

Neoprene Case M with Short Front (LESNCM)
A fitted neoprene case that protects the M8 with an attached lens up to 60mm. It has two spaces for memory cards**49.95**

Neoprene Case M with Large Front (LELNCM)
Same as above, with space for the M8 with an attached lens up to 80mm**49.95**

Billingham Combination Bag
A flexible waterproof canvas case that holds 2 M8 bodies with lenses attached, or 1 M8 body with 3-4 lenses, a flash and some additional accessories. A zipperless main compartment offers quick access to your gear. Available in Black (LECBB) and Khaki (LECBK).....**184.95**

Camera Protector (LEPM8): A soft nappa calf leather half-case that protects the M8 body in tough conditions and improves the ergonomics when holding the camera**109.95**

Hand Grip M8: Improved comfort when holding the camera for a long period or when using heavier, higher-speed lenses. Available in Black (LEGM8B) and Silver (LEGM8S).....**199.95**

Universal Wide-Angle Viewfinder M (12011)
A universally-compatible, compact viewfinder that shows the exact trimming for 16, 18, 21, 24 and 28mm focal lengths, making it ideal for use with the 16-18-21mm f/4 ASPH lens. A spirit level is included for exact alignment.

Viewfinder for 21/24/28mm Lenses (LEVFB)
Simply slide the viewfinder into the accessory shoe and select the desired finder field by turning a thumbwheel, which has a click stop at each of the three possible settings.....**399.95**

Angle Finder M (LEAVFM): A freely rotatable 45° eyepiece that makes it easy to view your subject in all situations. It shows a laterally correct, right-side up section of the center of the viewfinder image, approx.**365.00**

1.25x Viewfinder Magnifier M (LEVFM)
Enlarges the viewfinder image by 1.25x. It also improves focusing accuracy by expanding the effective measuring base**278.95**

Diopter Lenses: Provide near or far-sighted users a clear viewfinder image without the use of eyeglasses. Diopter lenses are available in the following strengths: **+0.5 Diopter (LEDP.5M), +1 Diopter (LEDP1M), +1.5 Diopter (LEDP1.5M), +2.0 Diopter (LEDP2M), +3.0 Diopter (LEDP3M), -0.5 Diopter (LEDM.5M), -1.0 Diopter (LEDM1M), -1.5 Diopter (LEDM1.5M), -2.0 Diopter (LEDM2M), -3.0 Diopter (LEDM3M)**.....**72.95**

SF24D TTL Flash (LESF24D): A lightweight and compact flash that allows TTL-flash exposure control with the M8. Information such as aperture and distance is available in the LCD. It supports automatic flash exposure control, and includes 24mm wide angle and 85mm telephoto diffusers and a velvet pouch...**249.95**

Cable Release (14067)
10" long with set screw**CALL**

Cable Release (LECR20R)
20" long with set screw**29.95**

Table Tripod (LETT): A compact support for long exposure time. With three folding legs and standard 1/4-20" top screw thread.....**108.95**

Large Ball and Socket Head (LEBSHL)
Holds nearly any camera/lens combination. 1/4-20" standard camera attachment screw. Great for use with the Leica tabletop tripod. It features a ridged ball for precise feel and positioning capacity. Supports 5.5 lb**198.95**

Rechargeable Lithium-Ion Battery (LEBM8)
A 3.7v, 1900 mAh rechargeable battery that has the capacity for about 575 exposures and charges in 200 minutes with the M8 Battery Charger. It monitors relevant battery data (e.g. temperature, remaining capacity) for reliable and convenient operation.....**109.95**

M8 Battery Charger (LECLIBM8)
Can be used in nearly any country either in a car (12-24v) or at mains voltages of 100-240v. It detects the status of your battery, and adapts the charge to ensure its long life.....**129.95**

M LENSES

The extreme importance that Leica dedicates to the highest quality of its products can be verified on every individual lens. Optical glasses are prepared to special formulations and grounded, polished and ultimately centered with extremely meticulous craftsmanship. The result, convenient, compact precision optics, unique in themselves that are always designed to meet the needs of practical photography. And extraordinarily long-lived too. All Leica M lenses are compatible with every M cameras of the past, present and future. There is more. The judicious policy of preserving compatibility even allows lenses from the 1930's to be used on highly modern Leica cameras. Every new lens is supplied with a high-grade soft nappa leather case and a lens hood that is specifically designed for that lens.

At Leica, each lens is a masterpiece. Aspherical lens elements (ASPH) are used for further enhancement of the imaging performance. They have a surface that deviates from the spherical shape and they are very complex to produce, but they produce the very best results with a compact design. Apochromatic correction (APO) is used by Leica on telephoto lenses in order to combine the color spectrum coming from a point on the subject practically into a point on the image. This assures the highest sharpness across the entire image, even at full aperture.

All current lenses incorporate a code on the bayonet ring to enable the digital Leica M8 to recognize the lens type and to optimize the image quality. These lenses can still be fully used with the current analog cameras as well as past M system cameras.



WIDE ANGLE LENSES

Elmarit-M 21mm f/2.8 ASPH (LE2128AMB)

This compact ultra-wide-angle lens delivers outstanding detail and superb contrast even at full aperture. And the highest level of image quality is maintained even in the close-up range. Distortion is minimal, and negligible in photographic practice. With its ultra-wide imaging angle of 92°, it is ideally suited to landscape photography featuring dramatic effects. The foreground appears monumental, while the rapidly diminishing background creates a wide horizon. This focal length is also ideal for photojournalists who have to shoot right in the midst of the action. Since it delivers extremely sharp images and good depth of field at the widest aperture settings, very good picture results can be achieved in grueling photojournalism assignments even without precise focusing. Combine this remarkable lens with the ultra-short shutter delay and aperture priority automation of the M8, and the result is the fastest camera system in existence. Available in black anodized or silver chrome finish**3495.00**



Elmarit-M 24mm f/2.8 ASPH (LE2428AMB)

This lens establishes the standard for wide-angle lenses with regard to contrast and detail rendition at full aperture. Special lens design combines one aspherical lens surface, one lens element with anomalous partial dispersion and two other lens elements made of optical glasses with high indices of refraction to give this compact lens outstanding contrast—and detail rendition— even at full aperture. This focal length is often ideal for dynamic close-ups or for landscape photographs with great depth. Also ideal for photojournalism assignments and architectural shots. 24mm focal length means that converging verticals, such as those encountered when shooting buildings, are easy to master with this lens without having to work from too great a distance. Though its focal length is only 3mm longer than that of a 21mm lens, the 24mm yields surprisingly natural perspectives with no indication that a super-wide-angle lens has been used. Available in black anodized or silver chrome finish**2895.00**

M LENSES

WIDE-ANGLE LENSES

Summicron-M 28mm f/2 ASPH (LE282M)

This super fast wide-angle lens has been a benchmark product since its launch. It is highly compact, and from maximum aperture on down it delivers outstanding picture quality. Its ultra-fine detail rendition yields pictures of extraordinary plasticity. Even under critical lighting situations, such as when shooting into the light, disturbing reflections and diffusion are largely eliminated. With its 75° wide angle, it captures a wide enough frame for lively reportage situations. The high aperture of f/2.0 enables creative selective focus to be employed even for wide-angle shots. And this lens is particularly recommended when shooting in difficult lighting conditions, such as at dusk or in dimly lit rooms with no flash.

Thanks to a sophisticated optical formula, in which special types of glass and an aspherical surface were used, the dimensions and the weight are almost identical to the 28mm f/2.8 even though it is one stop faster.....3195.00



Elmarit-M 28mm f/2.8 ASPH (LE2828MA)

This new high-speed lens is the most compact of Leica M lenses. By using an aspherical element it was possible to attain top imaging performance with a weight of only 180 grams. This lens is practically distortion-free down to the close focus range of 0.7m and only protrudes slightly into the viewfinder field of M cameras. Used on the M8, it produces the effect of a 35mm lens which makes it ideal for reportage. Due to its attractive price it can be particularly recommended as an introduction to the high-quality range of Leica M lenses.....1495.00

Summilux-M 35mm f/1.4 ASPH (LE3514AMB)

This lens is among the very best in terms of sheer quality of design. Its exceptional picture performance in such a compact package is an outstanding achievement of Leica's aspherical technology. The hallmarks of this remarkable lens include high contrast, superb detail rendition across the image field, excellent flatness of field, and very low coma - all at virtually the same quality even at distances down to 0.7 meters (28 in). The 35 mm focal length is already the standard for many Leica photographers. Ultra-high speed paired with outstanding optical characteristics and compact dimensions make this Summilux a universal wide-angle lens. Its uses range from medium-distance portrait photography to landscape shots. Best suited for available light photography.....3395.00



Summicron-M 35mm f/2 ASPH

Versatile all-around lens delivers phenomenal overall image quality, high contrast and exemplary resolution over its entire aperture range, even wide open. By closing the aperture down only 2 stops to f/4, it delivers maximum resolution and contrast that is unsurpassed. It also impresses by being virtually distortion-free. The word "standard" is particularly fitting for this astoundingly compact wide-angle jewel. It turns any Leica M camera into a highly compact and elegant unit, allowing the photographer to shoot discreetly, without drawing attention. Available in Black (LE352AMB) and Chrome (LE352AMS).....2295.00

M LENSES

STANDARD LENSES

Noctilux-M 50mm f/1.0 (LE501M)

The Noctilux transmits light more effectively than even the human eye, and as the world's first production f/1.0 lens for 35 mm photography, it represents a landmark in the history of photography. Its outstanding contrast sensitively differentiates subtle colors and its precise resolution displays the finest of textures, even in highly unfavorable light. Maximum correction for aberrations such as coma means that it delivers virtually bleed-free reproduction of point light sources. This lens opens up to photographers a unique and fascinating pictorial language. It is not only outstandingly well suited to shooting in dim light, but also for night shots without flash. The light from a candle is sufficient to produce outstanding results. Specific image areas can be highlighted by means of its very shallow depth of field at full aperture. In the soft-focus zones, this causes outlines to dissolve into an almost abstract aesthetic of shapes and colors.....**3995.00**

**Summilux-M 50mm f/1.4 ASPH**

A combination of the know-how of Leica's engineers and the latest manufacturing technology has resulted in this outstanding standard lens. It delivers high-contrast images, with high-resolution detail, even at its widest aperture, and down to its minimum focusing distance. This is made possible by a number of factors including the use of a floating element, special glass types with unique refraction properties, and elements with aspherical surfaces. The properties of this lens not only make it ideal for any photo situation demanding a handy all-rounder with the natural image angle of the 50 mm standard focal length, but also for available light situations, selective-focus shots, and even fine art photography - usually the preserve of much larger formats. Its wide-ranging versatility also makes it a top choice in assembling a Leica M lens outfit. Available in Black (LE5014AMB) and Silver (LE5014AS)**2895.00**

Summicron-M 50mm f/2.0 (LE502M)

The tried and well-proven optical design of this lens provides for a perfection of picture quality extending all the way to the extreme corners of the image field even at full aperture, as well as outstanding contrast throughout, at all apertures, even at close distances. Stopping down to f/2.8 or f/4 brings only a minimal increase in contrast. Distortion is extremely low and practically invisible. Its well-balanced design makes this ideal standard lens an outstanding choice in terms of all criteria, including image quality, speed, size, weight and price. It is also available in combination with the Leica M7 as part of the entry-level set. Available in Black (LE502MB) and Silver (LE502MS)**1595.00**

**Elmar-M 50mm f/2.8** (LE5028M)

This extremely compact lens, which retracts into the camera housing, stems from the tradition of the legendary Elmar lenses, a major factor in the success of the first Leicas. The classic four-element design has been continually enhanced in its optical and mechanical components over the decades, in line with advances in technology. The current version has been brought up to an uncompromisingly modern standard. The use of high-refraction glasses and the new computer-aided optical design are key factors in its outstanding overall performance. This classic with its 45° coverage angle is closest of all to human eyesight. That's why the perspective appears so natural in the images it produces. Its medium speed, small size, and light weight make this lens a practical choice for many uses. Available in Black (LE5028MB) and Silver (LE5028MS)**995.00**

M LENSES

PORTRAIT & TELEPHOTO LENSES

Summilux-M 75mm f/1.4 (LE7514M)

The elimination of flare and reflections and the unsurpassed fine tonal nuances delivered by this "lightweight giant" are the fruits of meticulous optical design and unique glass formulations. No coma is visible in the image field even at maximum aperture. Light falloff is extremely low for a lens of this speed; distortion is practically unmeasurable. The high-speed aperture of f/1.4 is ideal for available light photography, such as portraiture and photojournalism assignments. This lens demonstrates its brilliance most particularly under difficult, high-contrast, harsh lighting conditions, such as in a concert hall or theater.....3695.00



APO-Summicron-M 75mm f/2 ASPH (LE752AA)

By day and night, at a distance or close-up, this Summicron sets new standards. Its high-speed and medium telephoto focal length combined with its compact dimensions make it a flexible alternative. It is particularly well suited to brilliant close-ups and intimate available light portraits with natural perspectives and appealing plasticity. With its wide aperture and limited depth of field, you can emphasize particular areas of the subject for more impact. All details are reproduced in high contrast and true to life, even at maximum aperture. The compact size belies its sophisticated features, including a floating element, an aspherical element, and apochromatic correction.....2795.00



APO-Summicron-M 90mm f/2 ASPH (LE902AMB)

Apochromatic color correction and an aspherical lens surface are combined for the first time in this lens of this type. Of its five individual elements, two are made of high-refraction glass, while two others feature anomalous partial dispersion. Its brilliance and quality of resolution are exemplary even at full aperture. Light falloff is very low. Its fast aperture for a 90mm lens lets you shoot at relatively short exposure times even in dim light, helping to minimize the effects of camera shake, as when photographing street scenes from a distance2895.00



Elmarit-M 90mm f/2.8 (LE9028MB)

This Elmarit is a compact, universal, medium telephoto lens offering very good contrast and sharpness over the entire field at all apertures, with barely discernible falloff even at f/2.8. Natural-looking, realistic portraits against soft-focus backgrounds can be easily achieved by shooting at the widest apertures. The lens weighs just over 400 grams and is not much larger than a 50 mm lens - perfect for travel photos.....1895.00

Elmarit-M 90mm f/2.8 (LE9028MS): Silver color.....1595.00

APO-TELYT-M 135mm f/3.4 ASPH (LE13534AM)

A telephoto lens of uncompromising quality with apochromatic color correction, the resolution, contrast, and sharpness of the 135 mm APO-TELYT are optimal at all apertures. It also has very little light falloff even at maximum aperture and minimal distortion, resulting in top pro-level performance. This lens can render the finest details clearly and in rich contrast. As the longest focal length in the Leica M system, it's ideal for shooting over long distances and is the perfect completion of any high-class outfit. It permits distinctive landscape shots with typical telephoto effects: the foreground and background are visually compressed. Moreover, it enables frame-filling portraits to be shot from afar, so the subject is undisturbed.....2695.00



M LENSES

ZOOM AND MACRO LENSES

Tri-Elmar-M 16-18-21mm f/4 ASPH (LE164MTE)

With its impressive angle of view of 107°, the Tri-Elmar conquers 16 mm super wide-angle photography in perfect Leica M style. Due to the minimal distortion and barely perceptible field curvature, it can be recommended for highly demanding architecture photography even at the 16 mm setting. Used on the digital M8, it produces the image effect of a 21 - 28mm lens, still enabling extreme wide-angle views. The ultra compact shape is achieved by two aspherical elements. A new design of the interior focusing significantly enhances the quality in the close-focus range through an adaption of the floating element principle. Brilliant field depth can therefore be used from a distance of 0.33 m for hyperfocal photography.....**3495.00**

**Tri-Elmar-M 28-35-50mm f/4 ASPH (LE2835504MB)**

With the versatile Tri-Elmar-M, Leica combines the M-photographer's three most popular focal lengths, 28, 35 and 50mm, into a single, extremely compact lens—while retaining the high optical performance typical of Leica. Completely redesigned and more reliable and easier to use than ever. A shaped handle on the distance setting ring makes focusing easier and a scale on the lens displays the depth of field for all three focal lengths. Filter diameter is reduced is only 49mm for a better viewfinder image. The optimized zoom ring engages audibly and tangibly at every focal length now, thus preventing accidental readjustment of the focal length. A metal lens hood is available as an accessory that does not obstruct the viewfinder image. Using an adapter, a 67mm circular polarizer can be used that is set directly through the viewfinder. A matching 49mm UVA "slim filter" that prevents vignetting at 28mm is also available**3495.00**

Macro-Elmar-M 90mm f/4

The Macro-Elmar-M 90mm f/4 can be used either on its own or together with the Leica Macro-Adapter-M. With the adapter, this lens permits macro shots to a magnification of 1:3. Without the adapter, it serves as a compact 90 mm telephoto lens. In combination with the Tri-Elmar, this lightweight telephoto lens provides an excellent, universally usable compact system for traveling. When retracted, it is no larger than a 50mm lens.

90mm-lenses are traditionally very popular among Leica M photographers. Along with the 35- and 50mm-models, they belong to most standard outfits. With its low weight and compact dimensions the Macro-Elmar-M 90mm f/4 is first choice whenever you wish to limit your outfit to a minimum without forfeiting the maximum in image quality. Its performance is very good across the whole image field. Available in Black (LE904MB) and Silver (LE904MS)**1595.00**

**Macro-Adapter-M (LEAM)**

Designed specifically for the 90mm f/4 Macro, the Macro-Adapter M allows the lens to close focus from 2.5' (1:6 life-size ratio) down to 1.6' (1:3 life-size ratio). When the lens is to be used in its close-focusing range from 0.77 to 0.5m, the Macro-Adapter-M is attached to the camera body instead of the lens. The lens is then mounted on the adapter after rotating it 180°, i.e. with its lower side turned up. In this position, a second pair of distance and depth of field scales for the respective focusing range becomes visible, enabling easy reading from above. Includes a practical leather case featuring a belt loop**995.95**

M LENSES

Lens Designation	Focal Length/Speed in mm	Angle of View	Lens Elements/Groups	Smallest Aperture	Filter Size	Length in mm	Weight in grams
TRI-ELMAR-M ASPH	16-18-21 f/4	107°-100°-92°	7/10	22	67	62	335
ELMARIT-M ASPH	21 f/2.8	92°	9/7	16	55	46	300
ELMARIT-M ASPH	24 f/2.8	84°	7/5	16	E55	45	290
ELMARIT-M	28 f/2.0	76°	6/9	16	E46	40.6	272
ELMARIT-M	28 f/2.8	76°	8/7	22	E46	41.4	260
SUMMILUX-M ASPH	35 f/1.4	64°	9/5	16	E46	46.2	310
SUMMILUX-M ASPH silver chrome finish	35 f/1.4	64°	9/5	16	E46	46.2	415
SUMMICRON-M ASPH	35 f/2.0	64°	7/5	16	E39	34.5	255
SUMMICRON-M ASPH silver chrome finish	35 f/2.0	64°	7/5	16	E39	34.5	340
TRI-ELMAR-M ASPH	28-35-50 f/4	64°-64°-44°	8/6	22	E55	67.8	340
NOCTILUX-M	50 f/1.0	45°	7/6	16	E60	62	630
SUMMILUX-M	50 f/1.4	45°	7/5	16	E46	46.7	275
SUMMILUX-M silver chrome finish	50 f/1.4	45°	7/5	16	E46	46.7	380
SUMMICRON-M	50 f/2.0	45°	6/4	16	E39	43.5	240
SUMMICRON-M silver chrome finish	50 f/2.0	45°	6/4	16	E39	43.5	335
ELMAR-M	50 f/2.8	45°	4/3	16	E39	37.6	170
ELMAR-M silver chrome finish	50 f/2.8	45°	4/3	16	E39	37.6	245
SUMMILUX-M	75 f/1.4	31°	7/5	16	E60	80	560
APO SUMMICRON-M ASPH	75 f/2.0	77°	5/7	16	49	67	430
APO SUMMICRON-M ASPH	90 f/2.0	27°	5/5	16	E55	78	500
ELMARIT-M	90 f/2.8	27°	4/4	22	E46	76	410
ELMARIT-M silver chrome finish	90 f/2.8	27°	4/4	22	E46	76	560
ELMAR-M	90 f/4.0	27°	4/4	22	39	41	250
ELMAR-M silver chrome finish	90 f/4.0	27°	4/4	22	39	41	250
APO-TELYT-M	135 f/3.4	18°	5/4	22	E49	105	460



(212) 444-5027 • 1-800-947-9927 • Quick Dial 64

DIGILUX 3

7.5-Megapixel Digital SLR Camera

The Digilux 3 is Leica's first digital camera with an interchangeable lens, offering ambitious amateurs and professional photographers an exciting new option. The clear-cut lines of the housing and the operating concept of the DIGILUX 3 are consistent with the best Leica tradition has to offer.

This means shutter speed, focal length, aperture and focus can be set manually on the camera and the lens – fast, precise and creative handling in comparison with conventional digital SLR cameras.

Virtually revolutionary is the interaction between the outstanding imaging performance typical of Leica and state-of-the-art technology.

First-class image quality is achieved with the superb Leica D Vario-Elmarit

14-50 mm f/2.8-3.5 ASPH. lens in combination with the latest optical image stabilization and the

7.5 megapixel Live-MOS sensor. High quality, precision-crafted materials ensure that the Digilux 3 will function reliably long term — especially critical for demanding photojournalism applications.



FEATURES

7.5-Megapixel

4/3-type Live MOS Sensor

- ◆ The ideal sensor for DSLR cameras, the Live MOS sensor delivers the same high image quality as a CCD sensor with the low power consumption of a CMOS sensor. The DIGILUX 3 uses a new readout circuit providing a greater photoreceptive area per pixel than a conventional CMOS sensor can provide. The result is the type of wide dynamic range that makes it possible to capture detailed, expressive images with rich gradation.
- ◆ The Live MOS sensor not only slashes noise, it embeds the photodiodes deeply into the silicon layer, where they are resistant to noise. This suppresses the rough image texture that is sometimes noticeable (like viewing an image through a dirty window) when shooting in dim lighting, giving you clear, smooth shots even in difficult conditions.
- ◆ For accurate imaging, light must strike the sensor at a perpendicular angle. When a lens designed for a film camera is used, light from the edge of the image area enters at an angle, resulting in inaccurate color reproduction or dark areas. The DIGILUX 3 uses a lens mount with about twice the diameter of the image circle. Light strikes the sensor at an almost perpendicular angle, so images are clear and accurate all the way to the edges.

Leica D Vario-Elmarit 14-50mm f/2.8-3.5 ASPH. Lens

- ◆ Maker of many of the world's finest lenses, the Leica D lens series ('D' for digital)— developed specifically for digital photography, is an advanced lens that fuses leading-edge optical and digital technologies at an uncompromisingly high level. The D lens inherits the smooth tonal expression and rich shading that make Leica lenses the choice of both professional and amateur photographers the world over.
- ◆ This wide-aperture zoom lens provides f/2.8-3.5 brightness from 28-100mm (35mm equivalent). With 16 lens elements in 12 groups, including two glass-molded dual-sided large diameter aspherical lenses, the D Vario-Elmarit lens delivers a superb optical performance.
- ◆ To prevent light reflections in critical situations such as shooting into the light, all lenses are provided with multicoating. Thanks to advantageous internal focusing, the lens offers an entirely uniform length in all focus settings.



MEGA O.I.S.

MEGA O.I.S. compensates for natural movements, thus helping you to take sharply focused and brilliant images. In line with the increased requirements in SLR photography, the Leica D lens has its own integrated image processor. With this technological module the data delivered by the movement detector 4000 times a second can be utilized for the effective reduction of blur due to shake. The image stabilization system offers 2 different modes: mode 1 also activates image stabilization with image preview (both in the viewfinder as well as on the LCD monitor), thus enabling shake-free composition. In mode 2 image stabilization is only activated when the shot itself is taken, thus operating with maximum performance capability. You can decide at any time which mode you want to use in what situation.

DIGILUX 3

High Performance

- ◆ Individual processing of chrominance and luminance noise means that the problem of picture noise becomes a thing of the past with digital cameras. The DIGILUX 3 cuts down on luminance noise, which mainly occurs in the shadows of a picture, with efficient noise reduction.
- ◆ The DIGILUX 3 is equipped with a filter which filters out color noise and processes it separately. In addition, the image signal processor minimizes lens errors such as color fringing and distortion – with impressive results, reaching right into the corners of pictures.
- ◆ Built for spectacular high-speed shooting, with a startup of only 0.8 second and burst shooting at 3 frames per second. The shutter works as fast as you do. The DIGILUX 3 has unlimited consecutive shooting. You can keep shooting until the memory card is full, and choose the best shots later.
- ◆ The DIGILUX3 supports an extended optical zoom that provides an additional 1.5x with reduced resolution, and a Digital zoom of 2x or 4x (only in Live View mode).
- ◆ During development the new image signal processor was specially matched to the superb imaging performance of the Leica D lens and interaction with the new LiveMOS technology. This means it can cater for the high requirements of SLR photography in terms of performance and picture quality.
- ◆ The processor results in excellent color reproduction, maximum resolution and outstanding gradation – combined with extremely fast processing times with minimum delay. In conjunction with the energy-saving LiveMOS sensor the DIGILUX 3 can shoot over 450 pictures on a single battery charge.
- ◆ Compatible with Secure Digital (SD) memory cards, and SDHC (SD (high-capacity) Cards with capacities of more than 2 GB.
- ◆ The DIGILUX 3 has many features that are very familiar to users from Leica's analog cameras and have proved their worth time and time again. The aperture, focal length and focusing are adjusted at the lens as usual. The Leica D system stands for familiar handling combined with innovative technology, thus clearly distancing itself from the mass of single-lens reflex cameras.

2.5" LCD Display with Realtime Preview

Images can be captured and assessed with the brilliant high-resolution 2.5" display using the unique Realtime Preview system, that not only shows a simple image on the monitor before the picture is taken but also permits full exposure and white balance control. Realtime Preview offers benefits that to date were only found on compact cameras, such as checking white balance or reviewing exposure compensation before picturetaking. At the touch of a button the Digilux 3 additionally allows the working aperture to also be checked with Realtime Preview activated so the resulting depth of field can be evaluated prior to exposure.

Dust Protection Filter

Dust is a major problem with digital SLR photography. Dirt particles can easily get onto the sensor when changing lenses, often disrupting the imaging results irreparably. The DIGILUX 3 solves this problem with sophisticated technology. A filter has now been developed, positioned in front of the image sensor between the low pass filter and shutter. Whenever the camera is switched on, this protective filter receives an ultrasonic pulse with a vibration frequency of 30,000 Hz. This shakes off the dust particles on the protective filter. No dirt particles can get in due to the absolutely airtight seal of the space between the sensor and filter.

Four Thirds Standard Lens Mount

The lens mount system used in the Leica Digilux 3 is based on the Four Thirds open standard. This helps provide the optimal lens design for digital photography while also making it possible to create a lens that is small in size without sacrificing focal distance or brightness. Use of the Four Thirds Standard also means the Digilux 3 can use lenses made by other manufacturers using the same standard-providing you with an extensive range of interchangeable lenses to choose from.

Exclusive Protection from Leica

Accidents can happen - a careless moment, and your valuable camera equipment is ruined. This is no problem with the DIGILUX 3. Thanks to Leica's Additional Risk Warranty, any damage to the camera and your high-quality lens is insured for the first six months after the purchase date. Leica will repair or replace your equipment with no questions asked. After that you benefit from the manufacturer's warranty which has been extended to three years. The extra guarantee is all part of Leica service.

Digilux 3 Accessories**Neoprene Case (Hard):**

Protective and practical case made of neoprene material in a sporty design. It can be used to transport the Digilux 3 with the Vario-Elmarit 14-50 mm f/2.8-3.5 ASPH. fixed in place but ready to hand at all times. (18667).....Call

Billingham Case:

If you prefer a combination case, you will appreciate the Billingham case with its two color variants. Black (14854) or Khaki (14855).....Call

R-Lens Adapter:

This adapter allows the first-class lenses of the Leica R system to be used with the DIGILUX 3 (18628).....Call

CR-DC1:

Electric remote cable release for the DIGILUX 3 (18626).....Call



**For full specifications, see Panasonic Lumix DMC-L1 on page 200
(they are the same camera and have the same exact specifications)**