

EOS LEARNING CENTERS

Canon Online

Canon's commitment to photography extends beyond the manufacture of cameras, flashes, printers and accessories and onto the web, where both prospective Canon owners and seasoned professionals can find support and information from Canon and professionals using Canon products. The Canon Digital Learning Center is quite simply the best place for photographers who wish to learn more about EOS digital photography.



Canon
Digital Learning Center

www.photoworkshop.com/canon

Canon Digital Learning Center

For in-depth information and examples of the best of Canon EOS digital photography, there's nothing like the Canon Digital Learning Center. Found at photoworkshop.com/canon, the Digital Learning Center is full of educational material presented from a photographer's perspective. Browse modules on select Canon digital SLR cameras, visit the Pro Corner to learn about digital workflow with Canon *Digital Photo Professional* software and make the most out of your digital photography. Visit the Explorers of Light Gallery where noted professionals teach and inspire us with stunning photography taken with Canon products. Whether a novice or veteran EOS user looking for tips on how to get the most out of their equipment, you'll find your answer right here.

Canon
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0065W174 8/06

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The images on the cover and many throughout the brochure are from Canon's Explorer of Light photo gallery. The Explorers, all of whom shoot with Canon EOS System gear, are some of the top photographers in the world. They work in diverse photographic disciplines including, among others: journalism, sports, nature, portrait, commercial and fashion.

To learn more about the Explorers of Light and to see more images, visit the Canon Digital Learning Center at: www.photoworkshop.com/canon/explorers/

Canon

EOS
System



F A L L 2 0 0 6

www.canoneos.com

CANON: FROM VISION TO PRINT

From the time of the first Auto Focus SLR cameras, one name has remained synonymous with innovation: Canon EOS. Today, as digital imaging technologies take center stage, Canon EOS continues to lead the way with the Digital Trinity: Canon CMOS Sensors, Canon's DIGIC II Image Processor and Canon's superlative collection of EF Lenses. With not only the most advanced designs, but also an incomparable synergy of Canon-designed system components, Canon's EOS System is the complete solution to your photo imaging needs, from vision to print.



EOS TECHNOLOGIES

Canon EOS technologies set the pace and endure because they enhance the photographic experience, whether you are a seasoned professional or new to SLR shooting.

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EOS SLR CAMERAS

Rugged construction, photographer-friendly features, and compatibility with the entire line of EF lenses and EOS accessories make Canon EOS SLRs benchmarks for performance, ease of use, and quality.

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EF LENSES

A unique blend of the world's most advanced optical, microelectronics, and precision manufacturing technologies, EF lenses are perfected in Canon's laboratories and proven in the field.

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| SPEEDLITES

Canon Speedlites are the ideal flash light source for EOS SLRs. They are technologically advanced to provide perfect exposure and illumination with just about any subject.

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EOS SYSTEM ACCESSORIES

Canon accessories are the best way to enhance EOS system performance and get the most out of EOS SLRs. There are solutions for virtually any shooting situation.

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PHOTO PRINTERS

Canon's imagePROGRAF, PIXMA and SELPHY photo printers enable photographers to produce professional-grade photoprints simply—anywhere, anytime. They offer photographers cost-effective print production with stunning results.

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©Jeff Schewe

EOS SLR TECHNOLOGY

The history of Canon EOS SLR cameras is replete with examples of technological innovations that have set new industry standards for performance and usability. And yet, at Canon, technology is never an end in itself. Every technological advance must yield tangible benefits to the user. Does a new feature enable the camera to more quickly and faithfully respond to the photographer's will? Does a new material or process improve the camera's long-term reliability? Canon EOS advancements endure (and are often imitated) because they enhance the photographic experience, whether you are a seasoned professional or new to SLR shooting. Put simply, Canon EOS SLR technologies are impressive because of the quality of the images they enable you to create.



Autofocus Technology

An autofocus system with multiple focusing points is preferable to one with a single central point, but for a multi-point AF system to be truly useful, it must be sophisticated enough to select the correct focusing point for any given image. Canon EOS SLRs have consistently featured leading-edge AF technologies. Today, the top EOS SLRs use an extraordinary 45-point high-density Area AF system that provides not only the industry's largest AF coverage area but also the greatest range of control over focusing point selection. Focusing point can be selected automatically by the camera (based on high-speed microcomputer analysis of image content) or manually by the user. Select models also offer an eye-controlled option. Canon EOS autofocus is fast, reliable, and versatile.



45-point Area AF — Canon's unique 45-point High-Density Area AF not only delivers much greater freedom of composition but also provides improved subject tracking—a photographer's dream-come-true.

High-Speed Response

The high-speed microcomputers in EOS SLRs use advanced algorithms that ensure the fastest, most accurate AF performance under the widest variety of conditions. The One-Shot AF mode is ideal for more static subjects. The camera rapidly selects the optimum focusing point from among the 45, and the subject is instantly brought into focus even if it is off-center. The AI Servo AF mode is excellent for moving subjects. Aided by a highly "intelligent" predictive focusing algorithm, it precisely tracks subject movement across the wide 45-point AF area, automatically shifting the active focusing point as required. Even with erratic or rapid subject movement, the photographer can shoot continuously, concentrating solely on image composition. Some EOS SLRs additionally provide the AI Focus AF mode, which automatically switches between One Shot and AI-Servo AF modes based on subject movement—ideal for shooting stop-and-go subjects.

Unparalleled Exposure Control

Canon EOS SLRs incorporate uniquely advanced exposure control systems, offering the photographer exceptionally precise AE (auto exposure) with the widest range of metering options. You can choose full-frame Evaluative Metering, where the EOS SLR's proven 21-zone or 35-zone sensor is used in conjunction with focusing point data. The onboard microcomputer compares input from all zones and calculates optimum exposure using a sophisticated program. While Evaluative Metering assures excellent results in even the most challenging



10 fps — This highly responsive AF technology contributes to the rapid continuous shooting capability of EOS SLRs—a maximum of 10 fps (frames per second) with the EOS-1v equipped with Power Drive Booster.

lighting situations, advanced photographers can choose from among several additional metering options. Center-weighted metering is available for those who prefer a more traditional pattern. Partial metering limits readings to sensor zones in the center of the image area, giving the photographer more

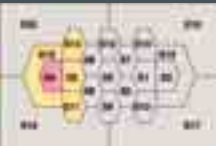
area-specific control. Spot readings can be taken at the center of the frame area or linked to the AF point. You can even take up to eight separate spot meter readings with high-end EOS cameras, and have the system average the light readings for you. Flash photography with EOS SLR systems also benefits from Canon's extraordinary exposure control technology. E-TTL (Evaluative Through-The-Lens) and E-TTL II autofocus systems work in combination with the camera's 21- or 35-zone metering sensor to take the guesswork out of flash photography. The camera performs instantaneous calculations based on readings from the preflash, ambient lighting conditions, and assessment of subject location to determine the optimum flash output and exposure settings. With E-TTL II, the calculations additionally incorporate distance information from compatible EF lenses, enabling the system to better handle dark, light and highly-reflective subjects. Your photographs will have the perfect balance between ambient light and flash illumination, even in complicated lighting situations and compositions.

Exclusive Eye Controlled Focus

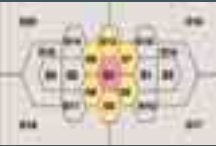
Featured on the EOS-3 and EOS Elan 7NE SLRs, Canon's exclusive Eye Controlled Focus adds an extra dimension to the photographer-camera interface. When activated, Eye Controlled Focus enables the camera to respond to your eye movement, automatically selecting the best AF point based on where in the frame you are looking.



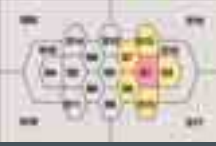
EOS TECHNOLOGIES



Meter-weighted on extreme-left focusing point.



Meter-weighted on center focusing point.



Meter-weighted on extreme-right focusing point.

Primary Metering Zone Secondary Metering Zone Other Metering Zone

21-zone Metering System — Canon's sophisticated 21-zone evaluative metering system considers not only the active focusing point but also a range of metered values from adjacent areas to determine correct exposure even in difficult lighting.

Flexible Shooting Modes

Most EOS models with the Mode Dial let photographers select from a variety of preprogrammed shooting modes, making it easy for even novice shooters to get professional-looking results. When you want the camera to make all the decisions for you, choose one of the Image Zone shooting modes. For greater control over camera settings, including full manual operation, select from the Creative Zone.



Designed for Maximum Durability and Performance

Hold a Canon EOS SLR in your hands. The look and feel of quality and reliability are the results of decades of camera-making experience and these translate to real-world performance and durability second to none. The newest EOS-1 class professional SLRs, for example, feature bodies made of coated cast magnesium alloy, which, while light in weight, deliver outstanding strength, rigidity, and electromagnetic shielding. The body is, furthermore, extensively gasketed and sealed, making the cameras exceptionally water- and dust-resistant. These are truly cameras built to take on the world's harshest shooting conditions.





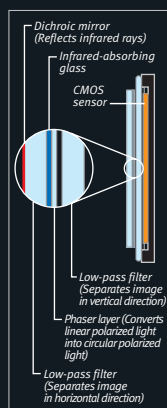
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EOS DIGITAL TECHNOLOGY

Among digital camera makers, Canon is unique in its in-house capabilities. Canon's ability to rapidly develop and manufacture proprietary ASICs (Application-Specific Integrated Circuits) eliminates dependence on common "off-the-shelf" components and enables the fast deployment of new, innovative solutions in digital camera design. Canon EOS Digital SLRs thus incorporate the world's most advanced sensors, processors, and other key components—components that are unavailable to other camera makers. Combined with Canon's unequaled camera electro-mechanical and optical design know-how, these digital technologies make EOS simply the finest digital SLR system you can own.

Canon CMOS Sensor

Taking advantage of their proprietary technologies, Canon develops and produces its own CMOS sensors. Unlike CCD sensors, CMOS sensors convert and amplify signals before they are transferred to the image processor, enabling them to produce exceptionally clean image data and reduce power consumption by as much as 90%. Data transfer speeds are increased by using multi-channel signal paths, dramatically improving the camera's responsiveness. Canon's CMOS sensors incorporate a unique on-chip noise reduction technology to deal with both fixed-pattern and random noise. In addition, a multilayer low-pass filter is placed in front of the sensor to isolate false colors that the sensor may detect. Then, the **DIGIC II** Image Processor processes



Full-Frame Canon CMOS Sensor — The EOS-1Ds Mark II and EOS 5D come with a newly developed, full-frame CMOS sensor, so it is possible to shoot with any EF lens without a conversion factor.

the image to eliminate those colors while retaining full detail. CMOS sensors can easily be fabricated to full-frame 35mm dimensions, an important consideration for photographers who wish to use their lenses without a conversion factor. Lauded by the best in the business, Canon's CMOS sensors deliver outstanding resolution and signal purity, making them ideal for the most critical photographic applications.

DIGIC II Image Processor

Developed to maximize performance between the capture and recording stages of digital photography, Canon's **DIGIC II** chip employs proprietary signal-processing algorithms to dramatically enhance image quality and deliver a more intuitive, responsive camera. The latest-generation **DIGIC II** Image Processor works in concert with Canon's newest CMOS sensors to achieve even higher levels of performance. Signal processing algorithms work with the multichannel signal from the sensor and the high-speed DDR-SDRAM buffer to deliver significantly improved camera response. Power consumption has been further reduced for even longer battery life. Color reproduction and noise reduction in low light situations have been significantly improved as well.



Picture Style

With the myriad features and settings available, even the best photographer might occasionally have doubts as to whether all of the camera settings are optimal for the shot. Canon's ingenious Picture Style feature comes to the rescue, providing a number of user-friendly presets, including standard, portrait and landscape, eliminate the need to make numerous individual changes to camera settings. They enable the photographer to make optimal choices based simply on the type of shooting. These presets can be used in much the



Picture Style: Portrait

same way one would use different types of film. Individual camera settings—such as sharpening, contrast, color tone, and saturation can be overridden if need be.

Simultaneous RAW + JPEG Recording

Often referred to as "digital negatives," RAW images essentially contain unaltered image data as captured by the sensor. RAW mode shooting has the potential to yield the highest image quality from a digital SLR. In post-processing, it's even possible to find and extract highlight and shadow detail from RAW images. While professionals and advanced amateurs will often prefer to shoot in RAW mode, JPEG images take up less storage space and are often more immediately pleasing to the eye, thanks to Canon's high-performance **DIGIC II** Image Processor. With Canon's EOS Digital SLRs, you can capture images in RAW or JPEG mode as well as record RAW and JPEG images simultaneously.

Advanced Camera Direct Capabilities

Some Canon digital SLRs give photographers an unprecedented level of in-camera control over image optimization with Canon's advanced camera direct capabilities. Photographers can adjust images, using the Face Brightener and Red-Eye Correction functions. With control over contrast, saturation, color tone and color balance levels, high image quality is attainable without post-production software. Also, photographers can crop a vertical image to create a horizontal image or by simply zooming in on a detail, an image can be cropped with the in-camera trimming tool. When connected to one of these Canon digital SLRs,

EOS TECHNOLOGIES

the PIXMA Pro9000 Photo Printer can generate 35-frame contact sheets and single image or 20-image prints with shooting information. The PIXMA Pro9000 photo printer also was designed to allow advanced camera direct settings to override its default settings, so even the finest image adjustments on Canon digital SLRs are accurately translated onto prints.

Dust Reduction

Canon has designed EOS Integrated Cleaning System with a Self-Cleaning Sensor for the new EOS Digital Rebel XTi to combat stray dust that can enter the camera when changing a lens or when out in the field. The sensor's low pass filter cleans itself automatically with ultrasonic vibrations every time the camera is turned on or off. Removed dust adheres to material beneath the filter to ensure it stays off. With DPP, dust missed by the cleaning unit is captured by Canon's Dust Delete Data Detection and can be erased from the image file. By ensuring the sensor is free of dust and debris, the camera guarantees a cleaner image.

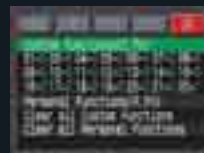


Color Management

At every step of the design and manufacturing process, Canon ensures that your SLR, lens and computer will work together seamlessly, resulting in color that is both sharp, accurate and pleasing to the eye. Canon's proprietary image-rendering processes utilize numerous data for color rendition. The sensor captures an even wider gamut of colors than your computer is capable of recognizing, and through complex operations, the processor ensures that whether you're shooting in sRGB for the Web, or in Adobe RGB color space for commercial applications, your colors will turn out just right. Advanced users can set their own white balance, color temperature, saturation and much more.

Superb Ergonomics and Custom Functions

Refined ergonomics and smooth operability are Canon EOS traditions, and even with the unavoidable complexities involved with digital capture, Canon's EOS interface design puts the most frequently used controls where they make the most sense: in the hands of the photographer. Operation is enhanced by Custom Functions, a concept pioneered by Canon. Custom Functions enable photographers to tailor features and operating functions to suit their shooting style.



State Of The Art... Period.

The rich heritage of Canon EOS professional SLRs is abundantly evident in the digital era. Top-of-the-line EOS Digital SLR cameras continue to set new standards for innovation, reliability, speed, versatility, and image quality, providing professional photographers tools for the job that are unequaled and indispensable.

EOS
DIGITAL
For Professionals

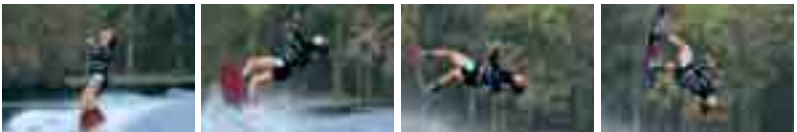


©Stephen Wilkes

EOS-1Ds Mark II

Unparalleled Resolution and Performance.

An update to the tremendously popular EOS-1Ds, the sleek and rugged EOS-1Ds Mark II is the “must-have” SLR to capture beautiful, super-high-resolution images with speed and precision. With a full-frame 16.7 MP CMOS sensor and Canon’s **DiGiC II** Image Processor, the 1Ds Mark II captures up to 4 fps for up to 32 JPEG or 11 RAW images in a burst. Startup and writing times have also been dramatically decreased. The 1Ds Mark II is an unprecedented combination of resolution and performance in the history of digital SLRs.



©Peter Read Miller



EOS-1D Mark II N

World’s Fastest Digital SLR* Refined.

Capable of shooting 8.5 fps for up to 48 full-resolution JPEG images in a burst, the EOS-1D Mark II N shatters performance standards for digital SLRs. An 8.2 MP Canon CMOS sensor and Canon’s **DiGiC II** Image Processor deliver extraordinary image quality with unmatched speed. The weather resistant, magnesium alloy body and shutter durability of 200,000 cycles ensure pro-class dependability. A large 2.5-inch LCD monitor provides a wider viewing angle. The dual (CF+SD) card slots can be used for simultaneous RAW and JPEG capture on separate cards. And the Picture Style feature gives more in-camera control over color, contrast and in-camera sharpening than ever before.

*as of August 2006.





©George Lepp

EOS 5D DIGITAL

Advanced Design, Full-Frame Sensor.

The world's smallest and lightest full-frame-sensor digital SLR,* the EOS 5D is ideal for experienced SLR users seeking to transition to digital—especially EOS owners who have an investment in EF lenses. The EOS 5D's, full-frame sensor allows you to use your lenses without a conversion factor. The EOS 5D is also the perfect backup body for professionals shooting with EOS-1 class digital SLRs. The 12.8 MP full-frame Canon CMOS sensor and Canon's **DiGiC II** Image Processor deliver superb image quality and performance—3 fps for up to 60 JPEG or 17 RAW images in a burst. Advanced features include a large 2.5-inch LCD monitor, high-precision 9-point AF, and the Picture Style feature. The strong, light magnesium-alloy body houses a new high-performance shutter that's been durability-tested to 100,000 cycles.

*as of August 2006.



Unleash Your Creativity.

Looking for professional-quality features and performance in a more affordable digital SLR? Look no further than Canon EOS. Designed to bring all of the capabilities and fun of digital SLR photography to advanced amateurs and serious photo hobbyists, these EOS cameras are highly sophisticated yet simple to use.

EOS
DIGITAL



©Vincent Laforet

EOS 30D DIGITAL

Perfection Refined.

The EOS 30D features Canon's exclusive 8.2 MP CMOS sensor and **DiGiC II** Image Processor. After an EOS leading 0.15-second startup, you can shoot 30 JPEG or 11 RAW images in a burst of 5 fps high-speed continuous shooting, or choose low-speed 3 fps continuous shooting. The large 2.5-inch LCD monitor provides an extremely wide viewing angle. Other advanced features include Picture Style, 3.5% spot metering, precision 9-point AF, advanced camera direct capabilities, a durable 100,000-cycle shutter and a rugged magnesium-alloy body. Compatible with over 50 EF and EF-S lenses and numerous EOS System accessories, the 30D brings high-end digital SLR performance within reach.





©Peter Read Miller

EOS **DIGITAL
REBEL
XTi**

Incredibly Advanced. Remarkably Simple.

EOS Digital Rebel XTi offers an unbeatable combination of performance, ease-of-use and value. It has a newly designed 10.1 MP CMOS sensor, **DiGIC II** Image Processor plus a host of new features including a 2.5-inch LCD monitor, the exclusive EOS Integrated Cleaning system including a Self Cleaning Sensor Unit, shoots up to 3 fps for up to 27 JPEG and 10 RAW images, plus Canon's Picture Styles technology, all in a lightweight, ergonomic body. The Digital Rebel XTi is proof positive that Canon continues to lead the way with our phenomenal digital SLRs.



Available in black or silver.



©Peter Read Miller

EOS **DIGITAL
REBEL
XT**

Limitless Performance.

The EOS Digital Rebel XT brings Canon's 8.0 MP CMOS sensor, **DiGIC II** Image Processor, and compatibility with over 50 EF lenses (including the EF-S series)—to photographers at an extremely attractive price. The Digital Rebel XT can shoot at 3 fps for up to 14 JPEG images and features wide-area 7-point AF—all in the smallest and lightest EOS Digital SLR to date.* With improved performance across the board, superior ergonomic design, and unprecedented affordability, the Rebel XT is the EOS digital SLR for everyone.

*as of August 2006.



Available in black or silver.

EOS DIGITAL SLR COMPARISON CHART

	<div>DIGITAL</div> <div></div> <div>EOS-1Ds Mark II</div>	<div>DIGITAL</div> <div></div> <div>EOS-1D Mark II n</div>	<div>DIGITAL</div> <div></div> <div>EOS 5D</div>	<div>DIGITAL</div> <div></div> <div>EOS 30D</div>	<div>DIGITAL</div> <div><div><div>NEW</div></div><div><div>NEW</div></div></div> <div>EOS DIGITAL REBEL XTi</div>	<div>DIGITAL</div> <div></div> <div>EOS DIGITAL REBEL XT</div>
Autofocus System	TTL-AREA-SIR CMOS Sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Automatic or manual focus point selection.	TTL-Area-SIR CMOS Sensor. One-Shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF lenses. Automatic or manual focus point selection.	TTL-CT-SIR* CMOS Sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Automatic and manual focusing point selection.	TTL-CT-SIR CMOS Sensor; One-Shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF lenses; Automatic or manual focus point selection.	TTL-CT-SIR CMOS Sensor; One-Shot and AI Servo AF with Focus Prediction; Manual focusing confirmation possible with EF lenses; Automatic or manual focus point selection	TTL-CT-SIR* CMOS Sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Automatic and manual focusing point selection.
Special Features	<ul style="list-style-type: none">• 16.7 Megapixel CMOS Digital SLR Camera• Full-frame, single-plate 36 x 24mm CMOS sensor• Depth-of-field Preview• Maximum continuous shooting speed of 4 fps (approximate)• Built-in 2.0 in. color monitor• Custom Functions (20 custom functions with 65 settings)• Simultaneous RAW and JPEG image capture• Mirror Lock• IEEE 1394 Compatible• Built-in PC socket	<ul style="list-style-type: none">• 8.2 Megapixel CMOS Digital SLR Camera• Maximum continuous shooting speed of 8.5 fps (approx.)• Built-in 2.5 in. color monitor• 27 Custom functions with 69 settings• Simultaneous or separate RAW and JPEG image capture• Depth-of-field preview• Mirror Lock• IEEE 1394 compatible• Built-in PC socket	<ul style="list-style-type: none">• 12.8 Megapixel CMOS Digital SLR Camera• Magnesium alloy exterior• Built-in 2.5 in. wide viewing angle color monitor• Mirror Lock• Custom Functions (21 custom functions with 57 settings)• Multi-controller• Depth-of-field Preview• Simultaneous RAW and JPEG image capture• N3 remote control socket• USB 2.0 Hi-Speed Compatible• Built-in PC socket	<ul style="list-style-type: none">• 8.2 Megapixel CMOS Digital SLR Camera• Retractable built-in E-TTL II flash• Magnesium alloy exterior• Compatible with EF-S lenses• Built-in 2.5" wide viewing angle color monitor• Custom Functions (19 custom functions with 53 settings)• Multi-controller• Depth-of-field Preview• Simultaneous RAW and JPEG image capture• Mirror Lock• N3 remote control socket• USB 2.0 Hi-Speed Compatible	<ul style="list-style-type: none">• 10.1 Megapixel CMOS Digital SLR camera• Retractable built-in E-TTL II flash• Compatible with EF-S lenses• Built-in 2.5" wide viewing angle color monitor• 11 Custom functions with 29 settings• Dust reduction feature• Simultaneous RAW and JPEG image capture• Depth-of-field preview• Mirror lock• USB 2.0 Hi-Speed compatible• Double hybrid stainless steel/polycarbonate chassis• 4 cross keys for instant control	<ul style="list-style-type: none">• 8.0 Megapixel CMOS Digital SLR Camera• Retractable built-in E-TTL II flash• Maximum continuous shooting speed of 3.0 fps (approximate)• Built-in 1.8 inch color monitor• Wireless remote control compatible• Smallest EOS Digital SLR Camera• Depth-of-field Preview• Simultaneous RAW and JPEG Image capture• USB 2.0 Hi-Speed Compatible• Custom Functions (9 custom functions with 24 settings)
Sensor Size	36.0 x 24.0mm (Full-frame Canon CMOS)	28.7 x 19.1mm (APS-H size Canon CMOS)	35.8 x 23.9mm (Full-frame Canon CMOS)	22.5 x 15.0mm (APS-C size Canon CMOS)	22.2 x 14.8mm (APS-C size Canon CMOS)	22.2 x 14.8mm (APS-C size Canon CMOS)
Crop Factor	1.0x	1.3x	1.0x	1.6x	1.6x	1.6x
Number of Focusing Points	Forty-five (Area AF Ellipse) Seven central high-precision cross-type AF points.	Forty-five (Area AF Ellipse) Seven central high-precision cross-type AF points.	Nine; Center AF point is cross-type; Hybrid high and standard precision. Six Assist AF Points in central area activated in AI Servo AF.	Nine; Center AF point is cross-type; Hybrid high and standard precision.	Nine; Center AF point is cross-type; Hybrid high and standard precision.	Seven; Center AF point is cross-type, works with lenses f/5.6 and faster.
Autofocus Sensitivity	EV 0-18 (at ISO 100)	EV 0-18 (at ISO 100)	EV -0.5-18 (at ISO 100)	EV -0.5-18 (at ISO 100)	EV -0.5-18 (at ISO 100)	EV 0.5-18 (at ISO 100)
Autofocus Auxiliary Light Built-In	–	–	–	Yes (via built-in flash)	Yes (via built-in flash)	Yes (via built-in flash)
Shutter	Vertical-travel, focal-plane shutter with soft-touch electromagnetic release, all speeds electronically controlled.	Vertical-travel, focal-plane shutter with soft-touch electromagnetic release, all speeds electronically controlled.	Vertical-travel focal-plane shutter with soft-touch electromagnetic release and all speeds electronically controlled.	Vertical-travel, focal-plane shutter with soft-touch electromagnetic release, all speeds electronically controlled	Vertical-travel, focal-plane shutter with soft-touch electromagnetic release, all speeds electronically controlled.	Vertical-travel focal-plane shutter with soft-touch electromagnetic release and all speeds electronically controlled.
Shutter Speeds	30-1/8,000 sec. & Bulb; manually selectable in 1/3, 1/2 or 1-stop increments; durability tested to 200,000 shots.	30-1/8,000 sec. & Bulb; manually selectable in 1/3 increments.	30 - 1/8,000 sec. & Bulb, manually selectable in 1/3-stop increments.	30-1/8000 sec. & Bulb; manually settable in 1/3- or 1/2-stop increments	30-1/4,000 sec. & Bulb, manually selectable in 1/3 or 1/2-stop increments.	30-1/4,000 sec. & Bulb, manually selectable in 1/3 or 1/2-stop increments.
Maximum Flash Synchronization Speed	1/250 sec.; high-speed sync. available with EX-series Speedlites.	1/250 sec.; high-speed sync. available with EX-series Speedlites.	1/200 sec.; high-speed sync. available with EX-series Speedlites	1/250 sec.; high-speed sync. available with EX-series Speedlites	1/200 sec.; high-speed sync. available with EX-series Speedlites	1/200 sec.; high-speed sync. Available with EX-series Speedlites.
Media	Digital images are stored on removable CompactFlash™ (Type I or II) or SD Memory card.	Digital images are stored on removable CompactFlash™ (Type I or II) or SD Memory Card.	Digital images are stored on removable CompactFlash™ (Type I or II).	Digital images are stored on removable CompactFlash™ (Type I or II).	Digital images are stored on removable CompactFlash™ (Type I or II).	Digital images are stored on removable CompactFlash™ (Type I or II).
Frames Per Second	Single, 4.0 fps.	Single, 3.0 fps, 8.5 fps	Single and 3.0 fps.	Single, 3.0 fps, 5.0 fps	Single and 3.0 fps.	Single and 3.0 fps.
Metering System	TTL full-aperture metering: <ul style="list-style-type: none">• 21-zone evaluative metering• 8.5% partial area metering• 2.4% center spot metering• 2.4% spot metering (linked to user-selected focusing point) <ul style="list-style-type: none">• Multi-spot metering (up to 8 spot readings)• Center-weighted average metering• Pre-flash metering (E-TTL II)	TTL full-aperture metering: <ul style="list-style-type: none">• 21-zone Evaluative metering• 13.5% partial area metering• 3.8% center spot metering• 3.8% spot metering (linked to user-selected focusing point) <ul style="list-style-type: none">• Multi-spot metering (up to 8 spot readings)• Center-weighted average metering• Pre-flash metering (E-TTL II)	TTL full-aperture metering: <ul style="list-style-type: none">• 35-zone evaluative metering• 8% partial area metering• 3.5% spot metering (linked to the center focusing point)• Center-weighted average metering• Pre-flash metering (E-TTL II)	TTL full-aperture metering: <ul style="list-style-type: none">• 35-zone Evaluative metering• 9% Partial metering• 3.5% Center spot metering• Center-weighted average metering• Pre-flash metering (E-TTL II)	TTL full-aperture metering: <ul style="list-style-type: none">• 35-zone Evaluative metering• 9% Partial metering• Center-weighted average metering• Pre-flash metering (E-TTL II)	TTL full-aperture metering: <ul style="list-style-type: none">• 35-zone evaluative metering• Center-weighted average metering• 9% partial area metering• Pre-flash metering (E-TTL II)
Metering Sensitivity	EV 0-20 for all patterns (at ISO 100 with f/1.4).	EV 0-20 for all patterns (at ISO 100 with f/1.4)	EV 1-20 for all patterns (at ISO 100 with f/1.4).	EV 1-20 for all patterns (at ISO 100 with f/1.4)	EV 1-20 for all patterns (at ISO 100 with f/1.4)	EV 1-20 for all patterns (at ISO 100 with f/1.4).
Exposure Compensation	± 3 stops in 1/3 or 1/2-stop increments	± 3 stops in 1/3 or 1/2-stop increments	± 2 stops in 1/3 or 1/2-stop increments	±2 stops in 1/3- or 1/2-stop increments	±2 stops in 1/3- or 1/2-stop increments	± 2 stops in 1/3 or 1/2-stop increments
Flash Exposure Compensation	± 3 stops in 1/3 or 1/2-stop increments	± 3 stops in 1/3-stop increments	± 2 stops in 1/3-stop increments	±2 stops in 1/3- or 1/2-stop increments	±2 stops in 1/3- or 1/2-stop increments	± 2 stops in 1/3 or 1/2-stop increments
AE Lock	Yes	Yes	Yes	Yes	Yes	Yes
Exposure Modes	<ul style="list-style-type: none">• Shutter-priority AE• Aperture-priority AE• Intelligent Program AE with variable shift• Manual• E-TTL II Flash AE• Flash Metered Manual• Bulb	<ul style="list-style-type: none">• Shutter-priority AE• Aperture-priority AE• Intelligent Program AE with variable shift• Manual• E-TTL II Flash AE• Flash Metered Manual• Bulb	<ul style="list-style-type: none">• Shutter-priority AE• Aperture-priority AE• Intelligent Program AE with variable shift• E-TTL II Flash AE• Bulb• Full Auto Mode• Manual	<ul style="list-style-type: none">• Shutter Speed-priority AE• Aperture-priority AE• Auto Depth-of-Field AE• Program AE (shiftable)• Manual• E-TTL II Flash AE• Programmed Image Control (6 settings)• Full Auto	<ul style="list-style-type: none">• Shutter Speed-priority AE• Aperture-priority AE• Program AE (shiftable)• Manual• 6 PIC (Programed Image control) modes• E-TTL II Flash AE• Full Auto Mode	<ul style="list-style-type: none">• Shutter-Speed-priority AE• Aperture-priority AE• Auto Depth-of-field AE• Program AE (shiftable)• Manual• 6 PIC (Programed Image control) modes• E-TTL II Flash AE• Full Auto Mode
Viewfinder	Fixed eye-level pentaprism.	Fixed eye-level pentaprism.	Fixed eye-level pentaprism.	Fixed eye-level pentaprism.	Fixed eye-level pentaprism	Fixed eye-level pentamirror
Viewfinder Coverage	100% horizontal and vertical at 0.7x.	100% horizontal and vertical at 0.72x.	96% horizontal and vertical at 0.71x.	95% horizontal/vertical at 0.9x	95% horizontal/vertical at 0.8x	95% horizontal and vertical at 0.8x
Viewfinder Information	Inside the picture area: Area AF ellipse, illuminated AF frames and spot metering circle. Displayed at the bottom and right side of the viewing area: <ul style="list-style-type: none">• Shutter speed• Aperture value• AE Lock• FE Lock• Manual exposure level• Remaining frames in burst• Multi-Spot readings• White Balance +/-• Exposure compensation / Flash compensation• ISO Speed• Exposure level / Flash exposure level• JPEG indication• Hi-speed flash sync	Inside the picture area: Area AF ellipse, illuminated AF frames and spot metering circle. Displayed at the bottom and right side of the viewing area: <ul style="list-style-type: none">• Shutter speed• Aperture value• AE Lock• FE Lock• Manual exposure level• Remaining frames in burst• Multi-Spot readings• White Balance +/-• Exposure compensation / Flash compensation• ISO Speed• Exposure level / Flash exposure level• JPEG indication• Hi-speed flash sync	Inside the picture area: Nine focusing points, 3.5% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD. <ul style="list-style-type: none">• Shutter speed• Aperture value• AE Lock / FE Lock• Exposure level scale• Flash status• Flash Exposure Compensation• FP mode indicator (High-speed sync)• AF-in-focus indicator• Remaining frames in burst• CF card full warning	Inside the picture area: Nine focusing points, 3.5% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD. <ul style="list-style-type: none">• Shutter speed• Aperture value• AE Lock / FE Lock• Exposure level display• Flash status• Flash Exposure Compensation icon• High-speed sync (FP flash)• Max. burst• CF card full warning• AF/MF focus confirmation	Inside the picture area: Nine focusing points. Displayed at the bottom of the viewing area:Numeric and textual information with 7-segment LCD. <ul style="list-style-type: none">• Shutter speed• Aperture value• AE Lock• FE Lock• Exposure level display• Flash status• Flash exposure compensation icon• High-speed sync (FP flash)• Max. burst available (9-0 frames)• CF card full warning• White Balance +/-• AF/MF focus confirmation	Inside the picture area: seven focusing points. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD. <ul style="list-style-type: none">• Shutter speed• Aperture value• AE Lock• FE Lock• Exposure level display• Flash status• Flash exposure compensation icon• High-speed sync (FP flash)• Max. burst• CF card full warning• White Balance +/-• AF/MF focus confirmation
Focusing Screens	Laser-matte screen Ec-C III, with area AF ellipse, and fine spot metering circle provided as the standard screen. (Interchangeable with Ec-series focusing screens. Metering correction data can be set with a Custom Function for the Laser-matte and New Laser-matte screens.)	Laser-matte screen Ec-C III, with area AF ellipse and fine spot metering circle provided as the standard screen (Interchangeable with Ec-series focusing screens. Metering correction data can be set with a custom function for the Laser-matte and New Laser-matte screens.)	Precision laser-matte screen marked with focusing points and partial metering circle. (Interchangeable with Ee-series focusing screens. Metering correction data can be set with a custom function.)	Precision laser-matte screen marked with focusing points and Spot metering circle (Non-interchangeable)	Precision laser-matte screen marked with focusing points (Non-interchangeable)	Laser-matte screen marked with focusing points. (Non-interchangeable)
Self-Timer	Electronically controlled with 2- or 10-second delay.	Electronically controlled with 2- or 10-second delay.	Electronically controlled with 10-second delay.	Electronically controlled with 2- or 10-second delay.	Electronically controlled with 2- or 10-second delay.	Electronically controlled with 2- or 10-second delay.
Body Dimensions (W x H x D)	6.1 x 6.2 x 3.1 in. / 156 x 157.6 x 79.9mm	6.1 x 6.2 x 3.1 in. / 156 x 157.6 x 79.9mm	6.0 x 4.4 x 3.0 in. / 152 x 113 x 75mm	5.7 x 4.2 x 2.9 in./144 x 105.5 x 73.5mm	4.98 x 3.71 x 2.56 in./126.5 x 94.2 x 65mm	4.98 x 3.71 x 2.63 in./126.5 x 94.2 x 64mm
Weight (Body Only)	42.9 oz. / 1,215g	43.2 oz. / 1,225g	28.6 oz. / 810g	24.7 oz./700g	18 oz./510g	17.1 oz./485g

*TTL-CT-SIR (Through-the-Lens Cross-Type Secondary-Image-Registration)

EOS DIGITAL SLR COMPARISON CHART

35mm SLR Photography at its Finest

With rugged construction, pace-setting features, and, of course, compatibility with the entire line of EF lenses and EOS accessories, Canon EOS 35mm SLRs are the benchmarks for performance, ease of use, and quality in 35mm SLR photography. Whether professional or novice, there’s an EOS 35mm SLR that’s perfect for you.

EOS
35mm Film

EOS-1V

The Ultimate in Professional Vision.

With the world’s fastest AF, a continuous shooting speed of up to 10 fps and a comprehensive feature set, the EOS-1v continues Canon’s tradition of innovation and speed. The EOS-1v has a 45-point AF system, a top shutter speed of 1/8000 sec., a flash sync of 1/250 sec., 21-zone evaluative metering and E-TTL autofocus. The magnesium alloy body, hybrid chassis, 72 individual gaskets for proven moisture and dust resistance and a shutter tested to 150,000 cycles make this 35mm camera the ultimate professional SLR.

EOS-3

The Triumph. A Victory for Photography.

A full-featured SLR for pros and advanced amateurs, the EOS-3 incorporates a host of technological advances, raising the bar for 35mm SLR performance. The EOS-3 features a 45-point AF system, Eye Controlled AF, Predictive AF (up to 7.0 fps requires Booster PB-E2 and NP-E2), E-TTL autofocus and 18 custom functions, plus compatibility with Canon’s EF lenses and Speedlites. Sophisticated yet easy-to-use, the EOS-3 delivers professional-quality results shot after shot.

EOS ELAN 7NE

Inspired, with the Fastest AF in its Class.*





With Eye Controlled Focus, a top shutter speed of 1/4000 sec. and 4.0 fps – all in a nearly silent and durable package – the EOS ELAN 7NE is the perfect camera to take your photography to the next level. A fast, 7-point AF system, a backlit display, Canon’s Whisper Drive technology, enhanced E-TTL II autofocus – plus compatibility with Canon EF lenses, Speedlites and accessories—make the EOS ELAN 7NE the perfect camera for the serious SLR enthusiast.

**as of August 2006.*

EOS REBEL T2 / EOS REBEL K2

EOS Rebel: Get Into It!

The EOS Rebel Series brings you the essence of refined Canon SLR photography in lightweight, economical cameras. With the Rebel T2 and Rebel K2, there has never been a more affordable way to get into the Canon EOS System. Each Rebel SLR has a host of advanced automatic camera controls that make taking stunning photographs fast and fun. And when you’re ready, the superb creative controls will take you to the next level. The ergonomic, modern designs and compatibility with nearly all EOS System accessories make the Rebel a camera you’ll never want to put down.

	35mm 	35mm 	35mm 	35mm 	35mm 
	EOS-1v	EOS-3	EOS ELAN 7NE	EOS REBEL T2	EOS REBEL K2
Autofocus System	TTL-AREA-SIR CMOS Sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Automatic and manual focusing point selection.	TTL-AREA-SIR CMOS sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Eye Controlled Focus point selection, automatic focusing point selection and manual point selection.	TTL-CT-SIR* CMOS sensor. One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Focusing point selection by Eye Controlled Focus, automatic focusing point selection and manual point selection.	TTL-CT-SIR* CMOS sensor. Auto switching between One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Automatic and manual focusing point selection.	TTL-CT-SIR* CMOS sensor. Auto switching between One-shot and AI Servo AF with Focus Prediction. Manual focusing confirmation possible with EF Lenses. Automatic and manual focusing point selection.
Special Features	<ul style="list-style-type: none">Custom Functions (20 custom functions with 63 settings; 3 user-set groups possible)Quick Control DialPC Link (with optional ES-E1 software)Auto Exposure Bracketing (±3 stops in 1/3-stop increments)Multiple ExposureDepth-of-field PreviewMirror LockQuick Control DialAuto Exposure Bracketing (±3 stops in 1/3, 1/2-stop increments)Multiple Exposure	<ul style="list-style-type: none">Custom Functions (18 selectable features)Mirror LockQuick Control DialAuto Exposure Bracketing (±3 stops in 1/3, 1/2-stop increments)Multiple ExposureDepth-of-field PreviewPC terminalN3 remote control socketAccepts optional Power Drive Booster PB-E2	<ul style="list-style-type: none">Metal exterior with Ultra Matte CoatingElectroform parts for nameplate and top dialsCustom Functions (13 functions, 34 settings)Depth-of-field PreviewQuick Control DialAuto Exposure Bracketing (±2 stops in 1/2-stop increments)Multiple ExposureMirror LockCompatible with Pack BP-300Compatible with RS-60E3 Remote Control	<ul style="list-style-type: none">Retractable built-in E-TTL II flashSafety Shutter-releaseDark metallic finish with rubber gripDioptric AdjustmentDepth-of-field PreviewMultiple Exposure PanelIlluminated oversize LCDOrientation Detection SensorSuperimposed AF PointFE LockCompatible with RS-60E3 Remote ControlCompatible with Battery Pack BP-220	<ul style="list-style-type: none">Retractable built-in TTL flashMultiple ExposureOversize LCD PanelCompatible with Battery Pack BP-220
Number of Focusing Points	Forty-five (Area AF Ellipse) Seven central high-precision cross-type AF points.	Forty-five (Area AF Ellipse) Seven central highprecision cross-type AF points.	Seven; Center AF point is cross-type; works with lenses 1/5.6 and faster.	Seven; Center AF point is cross-type; works with lenses 1/5.6 and faster.	Seven; Center AF point is cross-type; works with lenses 1/5.6 and faster).
Autofocus Sensitivity	EV 0-18 (at ISO 100)	EV 0-18 (at ISO 100)	EV 1-18 (at ISO 100)	EV 1-18 (at ISO 100)	EV 1-18 (at ISO 100)
Autofocus Auxiliary Light Built-In	—	—	Yes	Yes	Yes
Shutter	Vertical-travel focal-plane shutter with soft-touch electromagnetic release and all speeds electronically controlled.	Vertical-travel, focal-plane shutter with soft-touch electromagnetic release and all speeds electronically controlled.	Vertical-travel focal-plane shutter with soft-touch electro-magnetic release and all speeds electronically controlled.	Vertical-travel focal-plane shutter with all speeds electronically-controlled.	Vertical-travel focal-plane shutter with all speeds electronically-controlled.
Shutter Speeds	30 - 1/8,000 sec. & Bulb, manually selectable in 1/3, 1/2 or 1-stop increments.	30 - 1/8,000 sec. & Bulb, manually selectable in 1/3, 1/2 or 1-stop increments.	30 - 1/4,000 sec. & Bulb, manually selectable in 1/2-stop increments.	30 - 1/4,000 sec. & Bulb, manually selectable in 1/2-stop increments.	30 - 1/2,000 sec. & Bulb, manually selectable in 1/2-stop increments.
Maximum Flash Synchronization Speed	1/250 sec.; high-speed sync. available with EX-series Speedlites.	1/200 sec.; high-speed sync. available with EX-series Speedlites.	1/125 sec.; high-speed sync. available with EX-series Speedlites.	1/125 sec.; high-speed sync. available with EX-series Speedlites.	1/90 sec.; high-speed sync. available with EX-series Speedlites.
Media	Automatic. Film automatically advances to the first frame.	Automatic. Film automatically advances to the first frame.	Automatic. Film automatically advances to the first frame.	Film automatically prepwound to the end of the roll when loaded; rewinds one frame at a time during shooting.	Film automatically prepwound to the end of the roll when loaded; rewinds one frame at a time during shooting.
Frames Per Second	Single and 3.5 fps. (Single, 3.5 fps and up to 10.0 fps with PB-E2 / NP-E2)	Single and 4.3 fps. (Single, 3.0 fps. and up to 7.0 fps. with PB-E2 and NP-E2 Battery Pack)	Single and 4.0 fps.	Single and 3.0 fps.	Single and 1.5 fps.
Film Rewind	Automatic. Film automatically rewinds at end of roll. Choice of high-speed or silent rewind.	Automatic. Film automatically rewinds at end of roll. Choice of high-speed or silent rewind.	Automatic. Film automatically rewinds at end of roll. Mid-roll rewind possible.	Automatic. Film automatically rewinds at end of roll. Mid-roll rewind possible.	Automatic. Film automatically rewinds at end of roll. Mid-roll rewind possible.
Metering System	TTL full-aperture metering: <ul style="list-style-type: none">21-zone evaluative metering8.5% partial area metering2.4% center spot metering2.4% spot metering (Linked to user selected focusing pointmetering)Multi-spot metering (up to 8 spot readings)Center-weighted average meteringPre-flash metering (E-TTL)3 Zone off-the-film TTL flash metering	TTL full-aperture metering: <ul style="list-style-type: none">21-zone evaluative metering8.5% partial area metering2.4% center spot metering2.4% spot metering (linked to metering user-selected focusing)Multi-spot metering (up to 8 spot readings)Center-weighted average meteringPre-flash metering (E-TTL)3-zone off-the-film TTL flash metering	TTL full-aperture metering: <ul style="list-style-type: none">35-zone evaluative meteringCenter-weighted average metering10% partial area meteringTTL / A-TTL autofocus meteringPre-flash metering (E-TTL)3-zone off-the-film TTL flash metering	TTL full-aperture metering: <ul style="list-style-type: none">35-zone space evaluative metering9.5% partial area meteringCenter-weighted average metering (in manual mode only)E-TTL pre-flash metering (with built-in flash and EX-series speedlites)	TTL full-aperture metering: <ul style="list-style-type: none">35-zone space evaluative metering9.5% partial area meteringCenter-weighted average metering (in manual mode only)E-TTL pre-flash metering (with built-in flash and EX-series speedlites)
Metering Sensitivity	EV 0-20 for all patterns (at ISO 100 with f/1.4).	EV 0-20 for all patterns (at ISO 100 with f/1.4).	EV 1-20 for all patterns (at ISO 100 with f/1.4).	EV 1-20 (at ISO 100 with f/1.4).	EV 1-20 (at ISO 100 with f/1.4)
Exposure Compensation	± 3 stops in 1/3 or 1/2-stop increments	± 3 stops in 1/3 or 1/2-stop increments	± 2 stops in 1/2-stop increments	± 3 stops in 1/2-stop increments	± 2 stops in 1/2-stop increments
Flash Exposure Compensation	± 3 stops in 1/3 or 1/2-stop increments (works with all EOS Speedlites)	± 3 stops in 1/3 or 1/2-stop increments (works with all EOS Speedlites)	± 2 stops in 1/2-stop increments (works with all EOS Speedlites)	N/A	N/A
AE Lock	Yes	Yes	Yes	Yes	Yes
Exposure Modes	<ul style="list-style-type: none">Shutter-priority AEAperture-priority AEDepth-of-field AEIntelligent Program AE with variable shiftManualE-TTL, A-TTL, TTL Flash AEBulb	<ul style="list-style-type: none">Shutter-priority AEAperture-priority AEDepth-of-field AEIntelligent Program AE with variable shiftManualE-TTL, A-TTL, TTL Flash AEBulb	<ul style="list-style-type: none">Intelligent Program AEShutter-priority AEAperture-priority AEDepth-of-field AEFull Auto ModeProgrammed Image Control (6 settings)Metered ManualE-TTL II, A-TTL, TTL Program flash AE	<ul style="list-style-type: none">Intelligent program AE with variable shiftShutter-priority AEAperture-priority AEAuto Depth-of-field AEProgrammed Image Control (7 settings)Metered manualE-TTL II Autolash Program flash AE	<ul style="list-style-type: none">Intelligent program AE with variable shiftShutter-priority AEAperture-priority AEAuto Depth-of-field AEProgrammed Image Control (7 settings)Metered manualE-TTL Flash AE Program flash AE
Viewfinder	Fixed eye-level pentaprism.	Fixed eye-level pentaprism.	Fixed eye-level pentaprism.	Fixed eye-level pentamirror.	Fixed eye-level pentamirror.
Viewfinder Coverage	100% horizontal and vertical at 0.72x	97% horizontal and vertical at 0.72x	92% horizontal and 90% vertical at 0.70x	90% horizontal and vertical at 0.70x.	90% horizontal and vertical at 0.70x
Viewfinder Information	Inside the picture area: Area AF ellipse, illuminated AF frames and fine spot metering circle. Displayed at the bottom and right side of the viewing area: LCD numerals, two analog scales and text display. <ul style="list-style-type: none">Shutter speedAperture value scaleDepth-of-field AEAE Lock / FE LockFlash charge completion indicatorHigh-speed sync indicatorExposure level scaleFlash exposure levelRemaining frame indicator double digitManual Exposure mode indicatorMulti-Spot readings	Inside the picture area: Area AF ellipse and fine spot metering circle. Displayed at the bottom and right side of the viewing area: LCD numerals, two analog scales and text display. <ul style="list-style-type: none">Shutter speedAperture valueDepth-of-field AEAE Lock / FE LockCalibration indicatorMulti-Spot readingsEye-Controlled Focus indicator double digitFlash charge completion indicatorHigh-speed syncExposure level scaleFlash exposure level scaleRemaining frame indicator	Inside the picture area: Seven focusing points. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD. <ul style="list-style-type: none">Shutter speedAperture valueExposure level scaleFlash statusFP mode indicator (Hi-speed sync)Flash compensation indicatorEye Control icon	Viewfinder Information: Inside the picture area: Seven focusing points, plus 9.5% partial metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD. <ul style="list-style-type: none">Shutter speedAperture valueAE Lock / FE LockExposure level scaleFlash statusFP mode indicator (Hi-speed sync)Flash status	Viewfinder Information: Inside the picture area: Seven focusing points, plus 9.5% partial metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD. <ul style="list-style-type: none">Shutter speedAperture valueAE Lock / FE LockExposure level scaleFlash statusFP mode indicator (Hi-speed sync)Active AF point indicator
Focusing Screens	Laser-matte screen Ec-C III, with area AF ellipse, and fine spot metering circle provided as the standard screen. (Interchangeable with Ec-series focusing screens. Metering correction data can be set with a Custom Function for the Laser-matte and New Laser-Matte screens.)	Laser-matte screen Ec-N, with area AF ellipse and fine spot metering circle. (Compatible with all Ec-series focus screens; Metering calibration can be set with a Custom Function for Laser-Matte and New Laser-Matte screens.)	Laser-matte screen marked with focusing points. (Non-interchangeable)	Laser-matte screen marked with focusing points. (Non-interchangeable)	Laser-matte screen marked with focusing points. (Non-interchangeable)
Self-Timer	Electronically controlled with 2- or 10-second delay.	Electronically controlled with 2- or 10-second delay.	Electronically controlled with 10-second delay.	Electronically controlled with 10-second delay.	Electronically controlled with 10-second delay.
Body Dimensions (W x H x D)	6.3 x 4.7 x 2.8 in. / 161 x 120.8 x 70.8mm	6.3 x 4.7 x 2.8 in. / 161 x 119.2 x 70.8mm	5.8 x 4.0 x 2.7 in. / 146.7 x 103 x 69mm	5.1 x 3.5 x 2.5 in. / 130 x 90 x 64mm	5.1 x 3.5 x 2.5 in. / 130 x 88 x 64mm
Weight (Body Only)	33.3 oz. / 945g	27.5 oz. / 780g	20.3 oz. / 575g	12.9 oz. / 365g	12.9 oz. / 365g



©Darryl Gulin

EF LENS TECHNOLOGY

Great images start with great lenses and, in many ways, an SLR is defined by the quality, breadth and scope of the associated system of lenses. For many, Canon EF series lenses alone are reason enough to choose the EOS System. A unique blend of the world's most advanced optical, microelectronic, and precision manufacturing technologies, EF lenses are perfected in Canon's laboratories and proven in the field. Whatever you shoot, whatever your budget, there are Canon EF lenses perfect for your needs.



Image Stabilizer

IS

Canon Image Stabilizer (IS) technology makes handheld photography more practical at slow shutter speeds, accommodating more low-light shooting situations than ever before. Camera shake typically occurs at shutter speeds less than $1/[\text{focal length}]$, resulting in image blur. Canon Image Stabilizer technology uses miniature sensors and a high-speed microcomputer built into the lens. The sensors analyze vibrations and apply correction via a special stabilizing lens group that shifts the



Image Stabilizer OFF

Image Stabilizer ON

image parallel to the focal plane. Motion blur is canceled, resulting in a sharper image. With Image Stabilization, it's like gaining up to three stops. Canon Image Stabilizer technology is built into EF lenses and outperforms in-camera stabilization technologies found in other cameras by allowing for more movement of the stabilizing lens group. Especially with telephoto lenses, as the lens focal length increases, the effect of shake and the degree of correction needed to cancel it increase as well. **With optical IS in the lens, Canon can equip each IS lens with the stabilizer it needs for effective shake correction. Other systems are limited by how far they can move an image sensor, and as a result their stabilization is less effective as telephoto lengths get longer. Also, optical IS can be seen right in the viewfinder—impossible with some other stabilizer systems.**

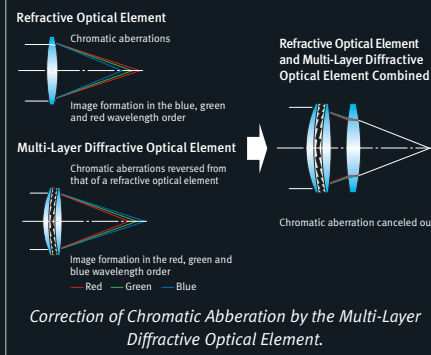
Diffractive Optics

DO

Canon's use of diffractive optics (DO) results in high-performance lenses that are much smaller and lighter than traditional designs. Conventional glass lens elements disperse incoming light, causing chromatic aberration. Canon's unique multilayer diffractive elements are constructed by bonding diffractive coatings to the surfaces of two or more lens elements. These elements are then combined to form a single multilayer DO element. The DO element's dispersion characteristics are designed to cancel chromatic aberrations at various wavelengths when combined with conventional glass optics. This technology results in smaller lenses with no compromise in image quality. Canon has also developed a new triple-layer type DO lens that uses an advanced diffractive grating to deliver excellent performance, with superior control of color fringing. This configuration is ideal for zoom lens optics and provides



EF 400mm f/4 IS DO USM • f/4 • 1/1250 sec.



significant reductions in size. A good example is the EF 70-300mm f/4.5-5.6 DO IS USM lens, which is 28 percent shorter than the EF 70-300mm f/4-5.6 IS USM lens.

Ultrasonic Motor



Canon developed the world's first lens-based Ultrasonic Motor (USM) to power the lens auto-focus mechanism. Instead of large noisy drive trains powered by conventional motors, Canon USM lenses employ the minute electronic vibrations created by piezoelectric ceramic elements. The focusing action of the lens is fast and quiet,



EF 300mm f/2.8L IS USM • f/3.5 • 1/180 sec.

with virtually instantaneous stops and starts. USM lenses also draw minimal power from the camera, ensuring longer battery life. Canon makes two types of Ultrasonic Motor lenses. Ring-type USM lenses, found in large aperture and super-telephoto designs, permit manual focusing without first switching out of the auto mode. Micro USM designs bring the performance benefits of Canon's USM technology to a wide assortment of affordable EF lenses.



Ring-type USM



Micro USM

L-series Lenses

Most highly regarded among professional photographers, Canon L-series lenses are distinguished by a bold red ring around the outer barrel. What makes them truly distinctive, however, is their remarkable optical performance — the result of sophisticated Canon technologies, such as Ultra-low Dispersion UD glass, Fluorite and Aspherical elements, and Super Spectra Coating.

Fluorite / UD Elements

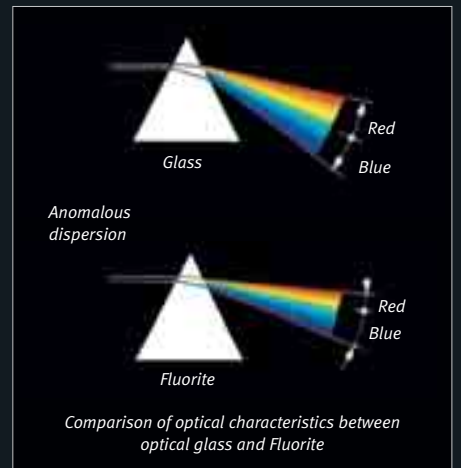
CaF₂

UD

S-UD

Reducing color fringing, or chromatic aberration, has been one of the great challenges in the design of telephoto lenses. L-series telephoto lenses — like the EF 70-200mm f/2.8L IS USM and EF 300mm f/4L IS USM — employ Canon's Ultra-low Dispersion glass to minimize this effect, providing much improved contrast and sharpness. Even more effective at suppressing chromatic aberration are Fluorite elements, used in high-end super-telephoto L-series lenses. Although costly, a single

EF LENSES

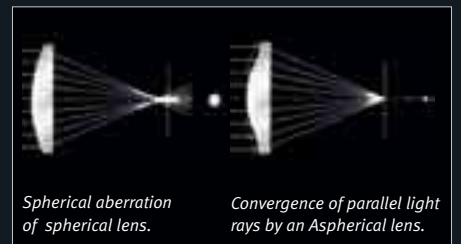


Fluorite element has roughly the corrective power of two UD-glass elements, giving these L-series lenses their spectacular performance and relatively compact design.

Aspherical Elements

AL

Wide-angle lenses and fast normal-focal-length lenses often suffer from spherical aberration. When the light rays coming through the center



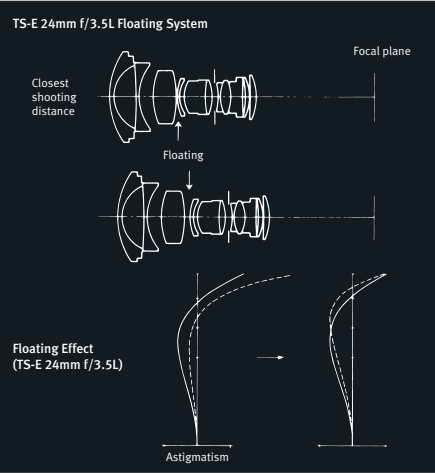
of the lens do not converge at the same point as light rays coming through the lens edge, the image appears blurred because there is no sharp point of focus. Canon's Aspherical elements use a varying curved surface to ensure that the entire image plane appears focused. Aspherical optics also help to correct curvilinear distortion as one might find in ultra wide-angle lenses. Finally, Canon can design aspherical elements with extremely precise variable curvature of one or both sides, making possible lighter, more compact lenses.

Focus Preset

FP

Focus Preset enables you to program a focusing distance in the camera's memory. Normal picture taking and focusing are unaffected by preset distances. For example, at a soccer game, you Focus Preset the goal area. Shoot normally elsewhere on the field, but once the action moves toward the goal, the user can instantly return to the preset distance by turning a ring on the lens.

Floating System Float
Typical lenses correct for optical aberrations only at commonly used focusing distances. Not surprisingly, at other focusing distances, especially close range, aberrations compromise image quality.

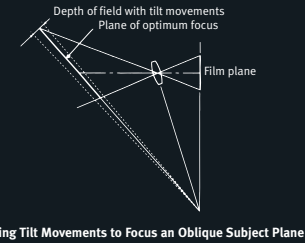


Rather than using fixed spacings, Canon's floating system dynamically varies the gap between key lens elements based on focusing distance. Aberrations are effectively suppressed throughout the focusing range, assuring high image quality in all shooting situations.

Circular Aperture CA
Canon lenses featuring circular aperture diaphragms employ curved blades to create a smoothly rounded opening as the lens is stopped down. As a result, out-of-focus background highlights are rendered as natural-looking rounded shapes rather than as distracting polygons. These lenses deliver smooth, consistent stop-down action (even at 10 fps), near-silent operation and excellent optical characteristics.

Inner and Rear Focusing IR
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 the diaphragm. Both designs allow for compact optical systems that produce faster AF. And because the front of the lens does not rotate to focus, filter orientation remains constant.

AF Stop Feature AF-S
Pressing the AF Stop button (featured on several EF IS telephoto lenses) momentarily locks the AF to prevent the focus from shifting to a passing obstruction. After the obstruction has cleared, the focus will still be on the subject, and you can quickly resume shooting. AF Stop buttons are positioned at four locations around the lens grip for easy access.



Using Tilt Movements to Focus an Oblique Subject Plane

Dust- and Water-Resistant Construction DW-R
L Series EF telephoto lenses are highly dust- and water-resistant thanks to rubber seals at the switch panels, exterior seams, drop-in filter compartments and lens mounts. Moving parts, such as the focusing ring and switches, are also designed to keep out environmental contaminants, providing reliable performance under harsh conditions.



TS-E Movements
Tilt movements alter the angle of the plane of focus between the lens and focal plane, and shift movements move the lens's optical axis in parallel.



Photo 1a: TS-E 45mm f/2.8 – Reverse tilt and shift greatly reduces the range on which focusing is possible.



Photo 1b: The lens's tilt mechanism is used to achieve a pan focus effect that allows focusing all the way back.

Tilt Movements – If you want to bring the entire field of flowers 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 focal plane (Photo 1b). Reversing it will have the opposite effect, narrowing the depth of field (Photo 1a).



EF 100mm f/2.8 Macro USM •f/5.6 •1/6 sec.

Full-Time Manual Focusing FT-M
Canon EOS cameras with EF lenses deliver impeccable AF precision. Manual focusing capability, nevertheless, can enhance flexibility. Canon EF lenses with full-time manual focusing enable the photographer to manually tweak focus without switching out of AF mode. Since AF action does not cause the focusing ring to turn, it can be made wider for improved grip and comfort.

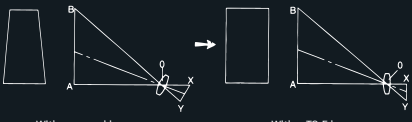


Photo 2a: TS-E 24mm f/3.5L – Shift was used to adjust the image to keep the building perpendicular all the way to the top.



Photo 2b: Without using shift causes the image of the building to lean in at the top.

Shift Movements – Normally, when you point your camera up at a tall building, the building will look slimmer toward the top. It becomes trapezoidal (Photo 2b). This perspective effect is more pronounced with shorter focal lengths, distorting the building even more. By keeping the camera level, and using the shift function to raise the lens instead, this perspective effect can be corrected. With the camera's focal plane set parallel to the building, shifting the lens upward will obtain a more rectangular-looking building (Photo 2a).



With a normal lens

Using Shift Movements to Focus Tall Building



EF 15mm f/2.8 Fisheye •f/16 •1/640 sec.

Specialty Lenses
EF-S Lenses – Designed for Canon Digital EOS 30D, Digital Rebel XTi and Digital Rebel XT cameras with APS-C sized sensors (with a 1.6x crop factor), Canon's EF-S lenses take advantage of the sensor's smaller size to deliver optimized performance in compact, lightweight designs. The EF-S 17-85mm f/4-5.6 IS USM is a perfect example of this new technology. With a compact design, a 35mm equivalent range of 27-136mm, and Image Stabilization technology, it's a superlative walk-around lens... possibly the only lens you'll need to enjoy basic Canon digital SLR photography.

Fisheye – Perfect for super wide-angle and special effect photography, Canon's full-frame fisheye can focus as close as eight inches (0.2m), and delivers exceptionally sharp images throughout its focus range. Up to three gel filters can be inserted into its built-in rear filter holder.

TS-E – TS-E lenses are capable of tilt and shift movements, which bring many of the advantages of technical view cameras to the EOS System. Tilt movements alter the angle of the plane of focus between the lens and film plane, making broad depth-of-field possible even at larger apertures; shift movements slide the lens's optical axis along the film/sensor plane, enabling photographers to correct or alter perspective at almost any angle.

Macro – Canon's EF lens lineup has a number of options for true close-up and macro photography. With five macro lenses for precision, and three screw-on close-up lenses for convenience—in addition to Life-Size Converter EF and two Extension Tubes—Canon's macro lenses and close-up accessories can uncover detail that is impossible for the unaided human eye to detect.

EF Mount
In designing the EF lens mount, Canon engineers gave photographers a lot more than a way to quickly attach a lens to a camera body. As the communication conduit between camera and lens, this fully electronic mount system has none of the shock, operational noise, abrasion, play, lubrication requirements, slow response, lever operation limitations, or other design restrictions related to mechanical linkage mechanisms. A self-test system, using the lens's built-in microcomputer, can even warn of malfunctions through the camera's display. The EF mount makes possible high-speed autofocus, precise aperture control and preview, automatic compensation with lens extenders, and forward compatibility with new lens technologies—such as USM and IS—as they are developed by Canon.



About Macro Magnification
A life-size macro lens—that is, a 1x magnification—records an image on film at its actual size. If you're photographing a flower, for example, and it has a diameter of 1 in., it will occupy 1 in. of your actual slide or negative. With a digital SLR, at 1x magnification, the image projected onto your camera's sensor will likewise be the same size as the subject plane as the actual subject itself. Other macro lenses have lower or higher magnifications. A lens with 0.5x magnification will produce an image on film that is half the size of the actual subject. Your 1 in. flower, then would only occupy 0.5 in. on film.



0.25x



0.5x

In the other direction, a 5x magnification lens will convert the 1in. flower to a 5 in. diameter image. Since the entire image won't fit in the frame of your film, you will have an enlarged image of a detail of the flower.



1.0x



3.0x

Magnification is not the same as focal length. A 50mm lens and a 180mm might both be macro lenses with, for example, 1x magnification. The advantage of the longer lens is that it allows greater distance from a subject. You would choose the 180mm macro lens to photograph a butterfly or a bird. The 50mm lens would be more suitable for a subject that won't move away when you approach it.



5.0x

FOCAL LENGTH COMPARISON

 15mm Fisheye 180°	 14mm 114°	 17mm 104°	 20mm 94°	 24mm 84°	 28mm 75°
 35mm 63°	 50mm 46°	 70mm 34°	 85mm 28° 30'	 100mm 24°	 135mm 18°
 200mm 12°	 300mm 8° 15'	 400mm 6° 10'	 500mm 5°	 600mm 4° 10'	 1200mm 2° 5'

Take In the Wider View.

Canon EF fixed-focal-length wide-angle lenses are exceptionally sharp, distortion-free, and fast – making them great choices for low-light shooting. EF ultra-wide zooms deliver stunning perspectives. The added versatility of zooming makes them perfect for enthusiasts and professionals alike.

EF LENSES for EOS Cameras

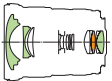
Ultra-Wide Zoom



EF-S 10-22mm f/3.5-4.5 USM • f/9.5 • 1/180 sec.



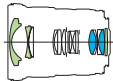
EF-S 10-22mm f/3.5-4.5 USM*



Icons: AL, S-UD, VR, FT-M, CA



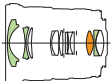
EF 16-35mm f/2.8L USM



Icons: AL, UD, VR, FT-M, DW-R



EF 17-40mm f/4L USM



Icons: AL, S-UD, VR, FT-M, DW-R



EF 20-35mm f/3.5-4.5 USM



Icons: VR, FT-M

Wide-Angle



EF 15mm f/2.8 Fisheye



Icons: I/R



EF 14mm f/2.8L USM



Icons: AL, I/R, FT-M



EF 20mm f/2.8 USM



Icons: I/R, FT-M, Float



EF 24mm f/1.4L USM



Icons: AL, UD, VR, FT-M, Float



EF 24mm f/1.4L USM • f/8 • 5 sec.



EF 24mm f/2.8



Icons: I/R



EF 28mm f/1.8 USM



Icons: AL, I/R, FT-M



EF 28mm f/2.8



Icons: AL



EF 35mm f/1.4L USM



Icons: AL, I/R, FT-M, Float



EF 35mm f/2



Icons: See “EF Lens Technology” section. Diagram: ● Super UD Lens ● UD Lens ● Aspherical Lens

* For EOS 30D, 20D/20Da, Digital Rebel XTi, Digital Rebel XT and Digital Rebel cameras only.

See It. Capture It.

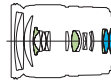
EF “standard” zooms cover the most popular range of focal lengths for most photographers, from wide-angle through telephoto. This versatility makes them great for a wide range of shooting situations. EF medium telephoto lenses deliver natural perspective with wide maximum apertures that make them ideal for low-light shooting.

EF LENSES for EOS Cameras

Standard Zoom



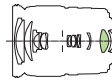
EF-S 17-55mm f/2.8 IS USM*



Icons: AL, UD, I/R, FT-M, IS, CA



EF-S 17-85mm f/4-5.6 IS USM*



Icons: AL, I/R, FT-M, IS, CA



EF-S 18-55mm f/3.5-5.6 USM*



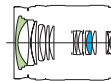
Icons: AL, CA



EF 24-105mm f/4L IS USM • f/10 • 1/125 sec.



EF 24-70mm f/2.8L USM



Icons: AL, UD, I/R, FT-M, CA, DW-R



EF 24-85mm f/3.5-4.5 USM



Icons: AL, I/R, FT-M



EF 24-105mm f/4L IS USM



Icons: S-UD, IS, CA, AL, I/R, FT-M



EF 28-90mm f/4-5.6 III



Icons: AL



EF 28-105mm f/3.5-4.5 II USM



Icons: I/R, FT-M



EF 28-105mm f/4-5.6 USM



Icons: AL, I/R, CA



EF 28-135mm f/3.5-5.6 IS USM



Icons: AL, I/R, FT-M, IS



EF 28-200mm f/3.5-5.6 USM



Icons: AL, I/R



EF 35-80mm f/4-5.6 III



Icons: AL

Standard and Medium Telephoto



EF 50mm f/1.2L USM



Icons: AL, FT-M, CA, DW-R



EF 50mm f/1.4 USM



Icons: FT-M



EF 50mm f/1.8 II



Icons: AL



EF 85mm f/1.2L II USM



Icons: AL, FT-M, Float, CA



EF 85mm f/1.8 USM



Icons: I/R, FT-M



EF 100mm f/2 USM



Icons: I/R, FT-M

Icons: See “EF Lens Technology” section. Diagram: ● Super UD Lens ● UD Lens ● Aspherical Lens

* For EOS 30D, 20D/20Da, Digital Rebel XTi, Digital Rebel XT and Digital Rebel cameras only.

Focus Your Attention.

Telephoto lenses make it easy to throw backgrounds out of focus, grab detail, or “get close” to unapproachable subjects... and these EF zoom lenses are superb tools for the job. EF fixed-focal-length telephotos combine great picture quality with fast maximum apertures, making them ideal for handheld shooting in low light.

EF LENSES
for EOS Cameras


Telephoto Zoom



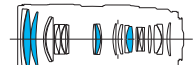
EF 55-200mm f/4.5-5.6 II USM



Icons: CA




EF 70-200mm f/2.8L IS USM




Icons: UD, I/R, FT-M, IS, CA, DW-R



EF 70-200mm f/2.8L USM



Icons: UD, I/R, FT-M



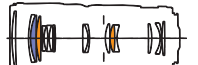
EF 70-200mm f/4L IS USM




Icons: CaF2, UD, I/R, FT-M, IS, DW-R



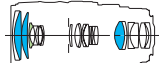
EF 70-200mm f/4L USM




Icons: CaF2, S-UD, I/R, FT-M




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




Icons: AL, UD, I/R, FT-M, IS, CA



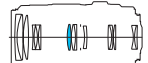
EF 70-300mm f/4.5-5.6 DO IS USM



Icons: DO, I/R, FT-M, IS, CA



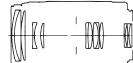
EF 70-300mm f/4-5.6 IS USM



Icons: UD, IS, CA



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




Icons: I/R



EF 75-300mm f/4-5.6 III



Icons: I/R



EF 100-300mm f/4.5-5.6 USM



Icons: I/R, FT-M



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



Icons: CaF2, S-UD, I/R, FT-M, Float, IS



EF 100-400mm f/4.5-5.6L IS USM •f/14 •1/80 sec.

Telephoto



EF 135mm f/2L USM



Icons: UD, I/R, FT-M



EF 135mm f/2.8 with Softfocus



Icons: AL, I/R



EF 200mm f/2.8L II USM



Icons: UD, I/R, FT-M



EF 300mm f/2.8L IS USM



Icons: CaF2, UD, I/R, FT-M, FP, IS, AF-S, DW-R



EF 300mm f/4L IS USM



Icons: UD, I/R, FT-M, IS

Icons: See “EF Lens Technology” section. Diagram: ● Fluorite Lens ● Super UD Lens ● UD Lens ● DO Lens ● Aspherical Lens

Up Close Detail From Afar.

Distinguished by their white color and seen at major sporting events around the world, the powerful EF super-telephotos are also ideal for nature, scenic, and even outdoor fashion photography. Canon’s ring-type USM delivers unmatched focusing performance, and most feature Canon’s superb Image Stabilization. EF tele extenders and extension tubes add even more power and versatility.

EF LENSES
for EOS Cameras

Super Telephoto



EF 400mm f/2.8L IS USM



Icons: CaF2, UD, I/R, FT-M, FP, IS, AF-S, DW-R



EF 400mm f/5.6L USM



Icons: UD, S-UD, I/R, FT-M



EF 400mm f/4 DO IS USM



Icons: DO, CaF2, I/R, FT-M, FP, IS, AF-S, DW-R



EF 500mm f/4L IS USM



Icons: CaF2, UD, I/R, FT-M, FP, IS, AF-S



EF 600mm f/4L IS USM



Icons: CaF2, UD, I/R, FT-M, FP, IS, AF-S, DW-R



EF 400mm f/4 DO IS USM •f/4 •1/1250 sec.



EF 600mm f/4L IS USM •f/10 •1/500 sec.

Extenders



Extender EF 1.4x II



Icons: DW-R



Extender EF 2x II



Icons: DW-R



Extension Tube EF 12 II



Extension Tube EF 25 II

Icons: See “EF Lens Technology” section. Diagram: ● Fluorite Lens ● Super UD Lens ● UD Lens ● DO Lens

Solutions for Specialized Shooting.

Canon’s manual focus TS-E (Tilt-Shift) lenses provide tilt capability to alter the plane of focus and shift capability for perspective correction, offering solutions for numerous applications, from architectural to studio photography. Canon also offers a range of close-up, high-magnification shooting solutions with a lineup of exceptional macro lenses and accessories.

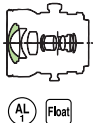
Tilt-Shift



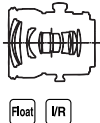
TS-E 45mm f/2.8



TS-E 24mm f/3.5L



TS-E 45mm f/2.8



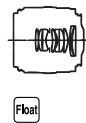
TS-E 90mm f/2.8



Macro



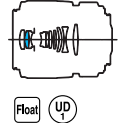
EF 50mm f/2.5 Compact Macro



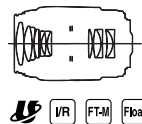
EF-S 60mm f/2.8 Macro USM*



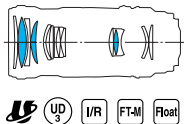
MP-E 65mm f/2.8 1-5x Macro Photo



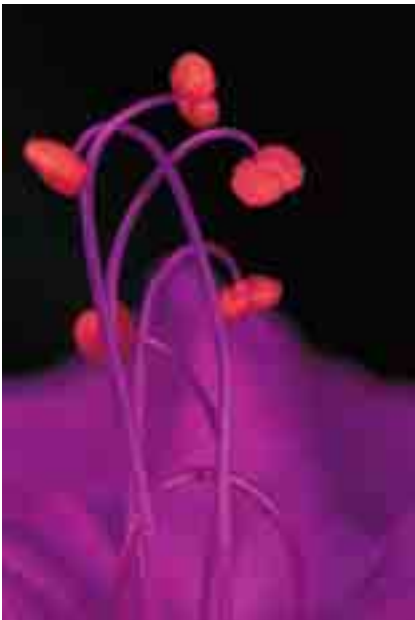
EF 100mm f/2.8 Macro USM



EF 180mm f/3.5L Macro USM



Life-Size Converter EF



MP-E 65mm f/2.8 1-5x Macro Photo •f/11 •1/125 sec. (3.Ox)

EF LENSES

for EOS Cameras

CANON EF LENS SPECIFICATIONS	Apparent Focal length (mm)		Focus Drive	Angle of View (Diagonal)			Lens Construction (Groups/Elements)	Minimum Aperture (f)	Filter Diameter (mm)	Closest Focusing Distance		Length		Weight		Lens Hood	Lens Cap	Soft Case	
	APS-C	APS-H		35mm	APS-C	APS-H				(ft.)	(m)	(in.)	(mm)	(oz.)	(g)				
Ultra-Wide Zoom																			
• EF-S 10-22mm f/3.5-4.5 USM ††	16–35	N/A	Ultrasonic	N/Aa	107°30'–63°30'	N/A	10/13	22	77	0.8	0.24	3–1/2	89.8	13.6	385	EW–83E	E–77U	LP1319	
• EF 16-35mm f/2.8L USM	26–56	21–45	Ultrasonic	108°10'–63°	68°9'–39°41'	86°–50°	10/14	22	77	0.9	0.28	4–1/8	103	13.6	600	EW–83E	E–77U	LP1319	
• EF 17-35mm f/2.8L USM †	–	–	Ultrasonic	–	–	–	10/15	22	77	1.38	0.42	3–3/4	95.7	19.1	545	EW–83C	E–77U	–	
• EF 17-40mm f/4L USM	27–64	22–52	Ultrasonic	104°–57°30'	65°54'–36°13'	83°12'–46°	9/12	22	77	0.92	0.28	3–3/4	96.8	1.1 lbs.	475	EW–83E	E–77U	LP1319	
• EF 20-35mm f/2.8L USM †	–	–	AFD	–	–	–	12/15	22	72	1.6	0.5	3–1/2	89.0	1.2 lbs.	540	EW–75	–	–	
• EF 20-35mm f/3.5-4.5 USM	32–56	26–46	Ultrasonic	94°–63°	59°13'–39°41'	75°12'–50°24'	11/12	22-27	77	1.1	0.34	2–3/4	68.9	11.9	340	EW–83II	E–77U	LP1214	
Standard Zoom																			
• EF-S 17-55mm f/2.8 IS USM ††	27–88	N/A	Ultrasonic	N/A	78°30'–27°50'	N/A	12/19	22	77	1.5	0.35	4–2/5	110.6	22.8	645	EW–83J	E-77U	–	
• EF-S 17-85mm f/4-5.6 IS USM ††	27–136	N/A	Ultrasonic	N/A	78°30'–18°25'	N/A	12/17	22	67	1.1	0.35	3–5/8	92.0	11 lbs.	475	EW–73B	E–67U	LP1116	
• EF-S 18-55mm f/3.5-5.6 USM ††	29–88	N/A	Ultrasonic	N/A	74°20'–27°50'	N/A	9/11	22–38	58	0.92	0.28	2–5/8	66.2	6.7	190	EW–60C	E–58U	LP814	
• EF-S 18-55mm f/3.5-5.6 ††****	29–88	N/A	MM	N/A	74°20'–27°50'	N/A	9/11	22–38	58	0.92	0.28	2–5/8	66.2	6.7	190	EW–60C	E–58U	LP814	
• EF 22-55mm f/4-5.6 USM †	–	–	Ultrasonic	–	–	–	9/9	22–32	58	–	0.35	–	–	–	175	–	–	–	
• EF 24-70mm f/2.8L USM	38–112	31–91	Ultrasonic	84°–34°	52°55'–21°25'	67°12'–27°12'	13/16	22	77	1.25	0.38	4–7/8	123.5	2.1 lbs.	950	EW–83F	E–77U	LP1219	
• EF 24-85mm f/3.5-4.5 USM	38–136	31–111	Ultrasonic	84°–28°30'	52°55'–17°57'	67°12'–22°48'	12/15	22–32	67	1.6	0.5	2–3/4	69.5	13.4	380	EW–73II	E–67U	LP1014	
• EF 24-105mm f/4L IS USM	38–168	31–136	Ultrasonic	84°–23°20'	52°55'–14°40'	67°12'–18°24'	13/18	22–27	77	1.5	0.45	3–5/16	83.5	1.5 lbs.	670	EW–83H	E–77U	LP1219	
• EF 28-70mm f/2.8 L USM †	–	–	Ultrasonic	–	–	–	11/16	22	77	1.6	0.5	4–5/8	117.6	1.9 lbs.	880	EW–83B	E–77U	–	
• EF 28-70mm f/3.5-4.5 †	–	–	MM	–	–	–	9/10	29	52	–	0.39	–	–	–	300	–	–	–	
• EF 28-80mm f/3.5-5.6 IV USM† / V USM†	45–128	36–104	Ultrasonic	75°–30°	47°15'–18°54'	60°–24°	10/10	22–38	58	1.25	0.38	2–13/16	71.2	7.8	200	EW–60C	E–58	LP814	
• EF 28-80mm f/3.5-5.6 III † / II †	45–128	36–104	MM	75°–30°	47°15'–18°54'	60°–24°	10/10	22–38	58	1.25	0.38	2–13/16	71.2	7.8	200	EW–60C	E–58	LP814	
• EF 28-80mm f/3.5-5.6 †	45–128	36–104	MM	75°–30°	47°15'–18°54'	60°–24°	10/10	22–38	58	1.25	0.38	2–13/16	71.2	7.8	200	EW–60C	E–58	LP814	
• EF 28-90mm f/4-5.6 III / II USM	45–144	36–117	MM/Ultrasonic	75°–27°	47°15'–17°	60°–21°36'	8/10	22–32	58	1.3	0.38	2–13/16	71.0	6.7	190	EW–60C	E-58U/E-58	LP814	
• EF 28-90mm f/4-5.6 USM †	45–144	36–117	Ultrasonic	75°–27°	47°15'–17°	60°–21°36'	8/10	22–32	58	1.3	0.38	2–13/16	71.0	6.7	190	EW–60C	E–58	LP814	
• EF 28-105mm f/3.5-4.5 II USM / USM †	45–168	36–136	Ultrasonic	75°–23°20'	47°15'–14°40'	60°–18°24'	12/15	22–27	58	1.6	0.5	3	75.0	13.1	375	EW-63II	E–58U	LP814	
• EF 28-105mm f/4-5.6 USM	45–168	36–136	Ultrasonic	75°–23°20'	47°15'–14°40'	60°–18°24'	9/10	22–32	58	1.57	0.48	2–11/16	68.0	7.4	210	EW–63B	E–58U	LP814	
• EF 28-135mm f/3.5-5.6 IS USM	42–216	36–176	Ultrasonic	75°–18°	47°15'–11°20'	60°–14°24'	12/16	22–36	72	1.64	0.5	3–13/16	96.8	1.2 lbs.	540	EW–78BII	E–72U	LP1116	
• EF 28-200mm f/3.5-5.6 USM	45–320	36–260	Ultrasonic	75°–12°	47°15'–7°34'	60°–9°36'	12/16	22–36	72	1.5	0.45	3–1/2	89.6	1.1 lbs.	500	EW–78D	E–72U	LP1116	
• EF 35-80mm f/4-5.6 III / II / USM †	56–128	46–104	MM	63°–30°	39°41'–18°54'	50°24'–24°	8/8	22–32	52	1.3	0.4	2–1/2	63.5	6.2	175	EW–54II	E–52	LP814	
• EF 35-135mm f/4-5.6 USM †	–	–	Ultrasonic	–	–	–	12/14	22–32	58	2.5	0.75	3–3/8	86.0	15.0	425	EW–62	–	–	
Telephoto Zoom																			
• EF 28-300mm f/3.5-5.6L IS USM	45–480	36–390	Ultrasonic	75°–8°15'	47°15'–5°24'	60°–6°36'	16/22	38	77	2.3	0.7	7–1/4	184.0	3.7 lbs.	1,670	EW–83G	E–77U	LZ1324	
• EF 35-350mm f/3.5-5.6L USM †	–	–	Ultrasonic	–	–	–	15/21	22–32	72	2.0	0.6	6–9/16	167	3.0 lbs.	1,385	EW–78	E–72U	–	
• EF 55-200mm f/4-5.6 II USM / USM †	88–320	72–260	Ultrasonic	43°–12°	27°5'–7°34'	34°24'–9°36'	13/13	22–29	52	3.9	1.2	3–13/16	97.3	10.9	310	ET–54	E–52U	LP1016	
• EF 70-200mm f/2.8L IS USM / USM †	112–320	91–260	Ultrasonic	34°–12°	21°15'–7°34'	27°12'–9°36'	18/23	32	77	4.6	1.4	7–13/16	197.0	3.2 lbs.	1,470	ET–86	E–77U	LZ1324	
• EF 70-200mm f/4L IS USM	112–320	91–260	Ultrasonic	34°–12°	21°15'–7°34'	27°12'–9°36'	15/20	32	67	3.9	1.2	6–7/8	172.0	26.8	760	ET–74	E–67U	LP1224	
• EF 70-200mm f/4L USM	112–320	91–260	Ultrasonic	34°–12°	21°15'–7°34'	27°12'–9°36'	13/16	32	67	3.9	1.2	6–7/8	172.0	19.2	705	ET–74	E–67U	LP1224	
• EF 70-300mm f/4-5.6 DO IS USM	112–480	91–390	Ultrasonic	34°–8°15'	21°15'–5°24'	27°12'–6°36'	12/18	32–38	58	4.6	1.4	3–7/8	99.0	1.6 lbs.	720	ET–65B	E–58U	LP1116	
• EF 70-300mm f/4-5.6 IS USM	112–480	91–390	Ultrasonic	34°–8°15'	21°15'–5°24'	27°12'–6°36'	10/15	32–45	58	4.9	1.5	3	76.5	1.4 lbs.	630	ET–65B	E–58U	LP1222	
• EF 75-300mm f/4-5.6 IS USM †	120–480	98–390	Ultrasonic	32°11'–8°15'	20°17'–5°24'	25°46'–6°36'	10/15	32–45	58	4.9	1.5	5–7/16	137.2	1.4 lbs.	650	ET–64II	E–58U	LP1022	
• EF 75-300mm f/4-5.6 III USM/II USM†	120–480	98–390	MM/Ultrasonic	32°11'–8°15'	20°17'–5°24'	25°46'–6°36'	9/13	32–45	58	4.9	1.5	4–13/16	122.0	1.1 lbs.	480	ET–60	E–58U	LP1019	
• EF 75-300mm f/4-5.6 USM	120–480	98–390	Ultrasonic	32°11'–8°15'	20°17'–5°24'	25°46'–6°36'	10/15	32–45	58	4.9	1.5	5–7/16	137.2	1.4 lbs.	650	ET–64II	E–58U	LP1022	
• EF 80-200mm f/2.8L	–	–	AFD	–	–	–	13/16	32	72	5.9	1.8	7–5/16	186	2.9 lbs.	1330	ES–79	–	–	
• EF 80-200mm f/4-5.6 II † / USM †	128–320	104–260	MM/Ultrasonic	30°–12°	18°54'–7°34'	24°–9°36'	7/10	22–27	52	4.9	1.5	3–1/8	78.5	8.8	250	ET–54	E–52	LP1014	
• EF 100-300mm f/4-5.6 L USM	160–480	130–390	Ultrasonic	24°–8°15'	15°7'–5°24'	19°12'–6°36'	10/13	32–38	58	4.9	1.5	4–3/4	121.5	1.2 lbs.	540	ET–65III	E–58U	LP1019	
• EF 100-300mm f/5.6 L †	–	–	AFD	–	–	–	10/15	32	58	4.6	1.4	6–9/16	167	1.5 lbs.	695	ET–62II	–	–	
• EF 100-400mm f/4-5.6L IS USM	160–640	130–520	Ultrasonic	24°–6°10'	15°7'–3°53'	19°12'–4°56'	14/17	32–38	77	5.9	1.8	7–7/16	189.0	3.0 lbs.	1,360	ET–83C	E–77U	LZ1324	
Wide-Angle																			
• EF 14mm f/2.8L USM	22	18	Ultrasonic	114°	71°49'	91°12'	10/14	22	Gelatin	0.8	0.25	3–1/2	89.0	1.2 lbs.	560	Built-in	Exclusive	LP1016	
• EF 15mm f/2.8 Fisheye	24	20	AFD	180°	113°24'	144°	7/8	22	Gelatin	0.7	0.2	2–7/16	62.2	11.6	330	Built-in	E–73	LP814	
• EF 20mm f/2.8 USM	32	26	Ultrasonic	94°	59°13'	75°12'	9/11	22	72	0.8	0.25	2–13/16	70.6	14.3	405	EW–75II	E–72U	LP1214	
• EF 24mm f/1.4L USM	38	31	Ultrasonic	84°	52°55'	67°12'	9/11	22	77	0.82	0.25	3	77.4	1.2 lbs.	550	EW–83DII	E–77U	LP1214	
• EF 24mm f/2.8	38	31	AFD	84°	52°55'	67°12'	10/10	22	58	0.8	0.25	1–7/8	48.5	9.5	270	EW–60II	E–58	LP811	
• EF 28mm f/1.8 USM	45	36	Ultrasonic	75°	47°15'	60°	9/10	22	58	0.8	0.25	2–3/16	55.6	10.9	310	EW–63II	E–58U	LP814	
• EF 28mm f/2.8	45	36	AFD	75°	47°15'	60°	5/5	22	52	1.0	0.3	1–11/16	42.5	6.5	185	EW–65II	E–52	LP1011	
• EF 35mm f/1.4L USM	56	45	Ultrasonic	63°	39°41'	50°24'	9/11	22	72	0.98	0.3	3–2/5	86.0	13.5	580	EW–78C	E–72U	LP1214	
• EF 35mm f/2	56	45	AFD	63°	39°41'	50°24'	5/7	22	52	0.8	0.25	1–11/16	42.5	7.4	210	EW–65II	E–52	LP1011	
Standard & Medium Telephoto																			
• EF 50mm f/1.0L USM †	–	–	Ultrasonic	–	–	–	–	9/11	16	–	2.0	0.6	3–3/16	85.5	2.2 lbs.	985	ES–79	E–72U	–
• EF 50mm f/1.2L USM	80	65	Ultrasonic	46°	28°59'	36°48'	6/8	16	72	1.5	0.45	2.58	61.5	18.7	580	ES–78	E–72U	LP1214	
• EF 50mm f/1.4 USM	80	65	Ultrasonic	46°	28°59'	36°48'	6/7	22	58	1.5	0.45	2	50.5	10.2	290	ES–71II	E–58U	LP1014	
• EF 50mm f/1.8 II	80	65	MM	46°	28°59'	36°48'	5/6	22	52	1.5	0.45	1–5/8	41.0	4.6	130	ES–62#	E–52	LP1014	
• EF 50mm f/1.8 †	80	65	MM	46°	28°59'	36°48'	5/6	22	52	1.5	0.45	1–5/8	41.0	4.6	130	ES–62#	E–52	LP1014	
• EF 85mm f/1.2L II USM / USM †	136	111	Ultrasonic	28°30'	17°57'	22°48'	7/8	16	72	3.2	0.95	3–5/16	84.0	23.3	1,025	ES–79II	E–72U	LP1019	
• EF 85mm f/1.8 USM	136	111	Ultrasonic	28°30'	17°57'	22°48'	7/9	22	58	2.8	0.85	2–13/16	71.5	15.45	425	ET–65III	E–58U	LP1214	
• EF 100mm f/2 USM	160	130	Ultrasonic	24°	15°7'	19°12'	6/8	22	58	3.0	0.9	2–7/8	73.5	1.0 lbs.	460	ET–65III	E–58U	LP1014	
Telephoto																			
• EF 135mm f/2L USM	216	175	Ultrasonic	18°	11°20'	14°24'	8/10	32	72	3.0	0.9	4–7/16	112.0	1.6 lbs.	750	ET–78II	E–72U	LP1219	
• EF 135mm f/2.8 w/ Softfocus	216	175	AFD	18°	11°20'	14°24'	6/7	32	52	4.3	1.3	3–7/8	98.4	13.8	390	ET–65III	E–52	LP1016	
• EF 200mm f/1.8L USM †	–	–	Ultrasonic	–	–	–	10/12	32	48 DI	8.2	2.5	8–3/16	208	66 lbs.	3,000				

The Finest Accessories for Your Lenses.

To enhance the stellar features of the EF Lens system, there are a number of accessories designed to perform perfectly with your system. Canon offers cases to protect your lenses, hoods and filters to control glare, and a number of adapters to further expand the possibilities of your EF Lenses and your EOS System.

General Purpose



Lens Cases and Lens Hoods

These functional, rugged cases are indispensable for protecting lenses. Lens hoods help prevent unwanted flare from affecting your photographs.

Available Sizes
See EF Lens Specifications.



Haze (UV-1)

The Haze (UV-1) filter absorbs ultraviolet light and is most effective on sunny days for cutting haze out of the shot.

Type	Available Sizes
Screw-in	52mm, 58mm, 72mm



Drop-in Screw Filter Holder

A holder for screw-type filters, for use with rear-mounted drop-in filters.

Type	Available Sizes
Drop-in	48mm, 52mm. Includes clear filter. For super-telephoto lenses. Current IS Super-teles—52mm. Previous super-teles without IS—48mm.

Softmat Filters



Without Softmat Filter

Use a Softmat Filter for a soft effect.



Softmat No. 1 & No. 2

Softmat filters mildly soften the focus for flattering portraits and dreamy landscapes. These filters utilize the effect of diffraction, which occurs between light passing through the transparent part and light passing through the coated part. Use Softmat No. 1 filter for a gentle soft focus effect, and Softmat No. 2 for a stronger effect.

Type	Available Sizes
Screw-in	52mm, 58mm



Circular Polarizing Filter PL-C

Polarizing filters enhance picture quality by blocking harmful reflected light. Use it to reduce polarized light reflections from glass and water surfaces or to improve color saturation. Simple to use, these filters polarize light circularly, rather than linearly, so they do not interfere with autofocus or TTL light metering.

DROP-IN — For use with lenses using rear-mounted drop-in filters, this polarizing filter can be rotated from the outside without removing the holder from the lens, enabling precise control.

Type	Available Sizes
Screw-in	58mm, 72mm, 77mm
Drop-in	48mm, 52mm. For super-telephoto lenses. Current IS Super-teles—52mm. Previous super-teles without IS—48mm.

Extension Tubes



EF 70-200L f/2.8L IS USM



Using an Extension Tube brings the subject even closer, emphasizing the eyes, for example.



Extension Tube EF 25 II & EF 12 II

These close-up accessories are placed between the camera body and lens to enable high-magnification photography. Eight electronic contact points allow communication between the camera and lens to continue as usual. The magnification differs according to the lens, but for standard zoom lenses it is about 0.3x to 0.5x for the EF 12 and 0.7x or more for the EF 25. By using both tubes effectively, the choice of magnifications can be greatly extended. Manual focusing is recommended.

Gelatin Filter Holders



Gelatin Filter Holder System

This convenient holder system allows the use of commercially available square filters without the need for cutting. The holder attaches to the lens through an adapter that fits the filter diameter. A special hood is available for use with the system. Use with 3-inch square type III and 4-inch square type IV gelatin filters. Gelatin filters can be used with most EF lenses.

Gelatin Filter Holder III & IV	
Type	Available Sizes
Screw-in	Holder for 3-inch square (III) or 4-inch (IV) gelatin filters.

Gelatin Filter Holder Hoods III & IV	
Type	Available Sizes
Screw-in	Lens shades which attach to holder can be stacked with telephoto lenses.

Gelatin Filter Holder Adapter III & IV	
Type	Available Sizes
Screw-in	III: 52mm, 58mm, 67mm, 72mm, 77mm. IV: 58mm, 67mm, 72mm, 77mm.

Drop-in Gelatin Filter Holder II

Up to three gelatin filters can be placed in these holders. To use, insert a cut piece of gelatin film between the holder's filter frame and pressure clip, and screw on to the lens.



Type	Available Sizes
Drop-in	48mm, 52mm. For super-telephoto lenses. Current IS Super-teles—52mm. Previous super-teles without IS—48mm.

Close-up Lenses



With Close-up Lens



Close-up Lens 250D/500D/500

The 250D/500D series incorporates double-element achromatic design for maximum optical performance. These screw-in lenses are used to provide a shorter minimum focusing distance with no loss of light. Each lens is optimized for a particular focal length. Manual focus is recommended with these lenses.

Type	Available Sizes
Screw-in	500D/500: 52mm, 58mm, 72mm, 78mm. Optimized for lenses 70-300mm. 250D: 52mm, 58mm. Optimized for lenses 50-135mm.

Loupes



Loupe 4x and 8x

Designed for viewing 35mm film frames at high magnifications, these loupes use high-performance lens system that eliminates all aberration and distortion. They offer diopter adjustment of -4 to +1 dpt, and include an eyecup, hood and case.

Polarizing Filters



Not using Circular PL Filter



Not using Circular PL Filter



Using Circular PL Filter emphasizes the blue of the sky.



Using Circular PL Filter suppresses the reflection from the surface of the leaves and the surface of the water.

Extender EF Specifications	with Extender EF 1.4x II attached						with Extender EF 2x II attached					
EF Lens Attachment	Apparent Focal Length (mm)			f-stop (f)	Maximum Magnification	AF	Apparent Focal Length (mm)			f-stop (f)	Maximum Magnification	AF
	35mm	APS-H	APS-C				35mm	APS-H	APS-C			
EF 135mm f/2L USM	189	246	302	2.5-45	0.27	○	270	351	432	4-64	0.38	○
EF 180mm f/3.5L Macro USM	252	328	403	4.5-45	1.4	○ ^{*2}	360	468	576	6.7-64	2.00	×
EF 200mm f/2.8L II USM	280	364	448	2.5-32	0.22	○	400	520	640	5.6-64	0.32	○
EF 300mm f/2.8L IS USM	420	546	672	4-45	0.15	○	600	780	960	5.6-64	0.28	○
EF 300mm f/4L IS USM	420	546	672	5.6-45	0.33	○	600	780	960	8-64	0.47	×
EF 400mm f/2.8L IS USM	560	728	896	4-45	0.22	○	800	1,040	1,280	5.6-64	0.31	○
EF 400mm f/4 DO IS USM	560	728	896	5.6-45	0.17	○	800	1,040	1,280	8-64	0.24	×
EF 400mm f/5.6L USM	560	728	896	8-45	0.18	×	800	1,040	1,280	11-64	0.27	×
EF 500mm f/4L IS USM	700	910	1,120	5.6-64	0.17	○	1,000	1,300	1,600	8-90	0.27	×
EF 600mm f/4L IS USM	840	1,092	1,344	5.6-64	0.17	○	1,200	1,560	1,920	8-90	0.27	×
EF 1200mm f/5.6L USM	1,680	2,184	2,688	8-45	0.12	×	2,400	3,120	3,840	11-64	0.27	×
EF 70-200mm f/2.8L IS USM	98-280	127-364	157-448	4-45	0.23	○ ^{*1}	140-400	182-520	224-640	5.6-64	0.34	○ ^{*1}
EF 70-200mm f/2.8L USM	98-280	127-364	157-448	4-45	0.22	○	140-400	182-520	224-640	5.6-64	0.44	○
EF 70-200mm f/4L IS USM / USM	98-280	127-364	157-448	5.6-45	0.29	○	140-400	182-520	224-640	8-64	0.42	×
EF 100-400mm f/4.5-5.6L IS USM	140-560	182-728	224-896	6.7-54	0.28	×	200-800	260-1,120	320-1,280	9.5-76	0.40	×

For Best Results with your Canon EOS Camera Use Original Canon EF Lenses.

As an owner of a Canon EOS camera, you will achieve the best results in your photography using Canon's own EF lenses. Each EOS camera body and each EF lens has its own built-in microcomputer. These microcomputers store a range of special data to ensure the smooth operation of bodies and EF lenses which support two-way digital communications between each part to allow exchange of information. Since the EOS System's market launch in 1987, new functions have been added on a continuing basis. These improvements include adding Image Stabilizer to some lenses, speeding up the AF function, increasing the number of focusing points, and the addition of the Eye Controlled Focus™ Function. As the system's range of functions has evolved, the nature of the basic system of communications between lens and body has evolved as well, ensuring that complete compatibility is maintained. This process of evolution will continue in the future with the addition of more new specifications, resulting in still further gains in reliability. **Accordingly, in order to realize the maximum performance of the EOS system and thereby achieve the highest possible photographic quality, we recommend that you use Canon EF lenses and Canon brand name accessories, since they are designed and manufactured to match the special qualities of your EOS camera.**

^{*1} If the EF 70-200mm f/2.8L USM lens is attached to an EOS camera having multiple focusing points and an Extender is attached to the lens, only the center focusing point will be usable for AF. ^{*2} The autofocus range is from 2.6 feet (0.8m) to infinity. ^{*3} With the EOS-1Ds Mark II, EOS-1Ds, EOS-1D, EOS-1v and EOS-3. AF is possible with the center focusing point only. ^{*4} The Image Stabilizer does not operate with the following cameras: EOS650, 630, 620, 600, RT, 700, 750, 850, EOS-1, A2, A2E, 10s, ELAN, Rebel, Rebel S, Rebel i and Rebel SLI.



SPEEDLITE TECHNOLOGY



Integral to the EOS System, Canon Speedlites are the ideal flash source for EOS SLRs. They are technologically advanced to provide perfect exposure and illumination with just about any subject, yet operation is remarkably simple. Whether you’re a amateur or an expert, Canon Speedlites make it easy to obtain professional results.

Sophisticated Flash Control Modes

E-TTL—In E-TTL (Evaluative Through-The-Lens) flash exposure control mode, meter readings are taken through the lens, but not off the focal plane. Using a preflash fired after the shutter button has been fully depressed—but before the camera’s reflex mirror goes up—E-TTL uses the camera’s evaluative metering sensor to compare the ambient light values with the light reflected from the subject by the preflash. The camera then calculates and stores the flash output required for optimum exposure of the main subject (as identified by the AF point) and the background.

E-TTL requires the use of EX-series dedicated Speedlites such as the 580EX, 430EX, 220EX, MT-24EX, or MR-14EX in combination with a compatible camera. **E-TTL II**—Available on Canon’s newest EOS SLRs, E-TTL II incorporates distance information from compatible EF lenses (see page 27 for details) for more versatile flash exposure control. E-TTL II minimizes underexposure that can occur with straight reflections by ignoring sensor areas that report abnormally high levels. This feature is useful when shooting a subject with a highly reflective object in the background, or if the subject itself is highly reflective. In addition, because distance information is used in calculating the flash output level, E-TTL II prevents overexposure when photographers lock focus and recompose. For example, with the EOS-1D Mark II N, the ambient light is first measured using the camera’s 21-zone metering when the shutter button is pressed. Next, a preflash is fired and the metering

SLR Compatibility			
Camera Model	E-TTL	E-TTL II	A-TTL / TTL
EOS-1Ds Mark II	No	Yes ⁼⁼	Not Possible
EOS-1D Mark II N	No	Yes ⁼⁼	Not Possible
EOS 5D	No	Yes ⁼⁼	Not Possible
EOS 30D	No	Yes ⁼⁼	Not Possible
EOS Digital Rebel XTi / XT	No	Yes ⁼⁼	Not Possible
EOS-1v	Yes	No	4-point/3-zone
EOS-3	Yes	No	4-point/3-zone
EOS ELAN 7nE	Yes	Yes	4-point/3-zone
EOS Rebel T2 / T2i Date	No	Yes	Not Possible
EOS Rebel K2 / K2i Date	Yes	No	4-point/3-zone

Speedlite Compatibility				
	E-TTL / E-TTL II	A-TTL	TTL	Manual
580EX	Yes ⁼⁼	No	Yes ⁼⁼⁼	Yes
430EX	Yes ⁼⁼	No	No	No
220EX	Yes ⁼⁼	No	Yes ⁼⁼⁼	No
MR-14EX	Yes ⁼⁼	No	Yes ⁼⁼⁼	Yes
MT-24EX	Yes ⁼⁼	No	Yes ⁼⁼⁼	Yes

⁼⁼ Not Linked to AF point.
⁼⁼ Requires EOS body that supports E-TTL and E-TTL II respectively.
⁼⁼⁼ Defaults to TTL in all conditions except direct flash in the camera's Program mode.

sensor takes readings at the central 17 metering zones. The ambient and preflash readings are compared. The metering areas having small differences are selected as the main flash exposure areas. Areas with large discrepancies between ambient and preflash readings are excluded or down-weighted because they are assumed to contain a highly reflective subject, or the subject is not in that part of the frame—an assumption validated by distance information. The algorithm thus avoids chronic underexposure problems in such situations. These readings are weighted, averaged, and compared with the ambient light reading and the main flash output is then set and stored in memory. Unlike previous systems, E-TTL II, in effect, captures the subject as a “plane” and not as a “point.” As a result, EOS SLRs can deliver consistent flash exposures even if the subject contains various colors and levels of reflection. The camera also allows the user to select an averaged metering pattern through custom function settings. **TTL***—TTL (Through-The-Lens) is the standard flash exposure control mode used by the built-in flash units that come with some 35mm EOS cameras. Unlike E-TTL or E-TTL II, TTL reads flash illumination reflected from the film during the exposure. When the camera is set to Program AE mode, TTL flash sets an aperture based on the ambient light level.

Flash Exposure Lock (FE Lock)

FE Lock adds auto exposure lock and spot metering functions when shooting with EX-series Speedlites and E-TTL compatible EOS cameras. The EX-series Speedlite’s preflash fires when the camera’s AE Lock button is depressed, storing a spot meter reading of flash and ambient lighting data for up to 16 seconds. This provides enough time to not only recompose the shot, but also alter the ambient light exposure for maximum creative control. FE

Lock is extremely useful when you wish to recompose after focus lock or to place the main subject in a part of the frame not covered by one of the focusing points. It can also eliminate potential exposure errors caused by unwanted reflections from surfaces like windows or mirrors.

Adjusting Ambient Exposure in FE Lock**—After preflashing the subject with the FE Lock button, ambient exposure can be adjusted by turning the Quick Control Dial. The ambient exposure level is displayed on the exposure level scale in the viewfinder and on the external LCD panel.

FP Mode***

FP (focal-plane) flash, or High-speed Sync, enables E-TTL and E-TTL II compatible cameras equipped with an EX-series Speedlite to synchronize flash at shutter speeds faster than the camera’s



Taken with MT-24EX and EOS-1v HS



High-Speed Sync — EF 135mm f/2.0L USM lens •f/2 •1/750 sec.

normal maximum sync speed. Even in bright daylight, for example, a fast lens can be used at a wide aperture to reduce depth-of-field and emphasize the subject. FP flash can be combined with E-TTL, E-TTL II, or FE Lock, and is available in all AE modes plus Manual.

Flash Exposure Compensation****

This setting adjusts flash output without changing the shutter speed or aperture. It’s a particularly effective way to fine-tune the balance between foreground and background exposure for fill flash shots, but it can also be used to compensate for extremely bright or dark tones in the subject.

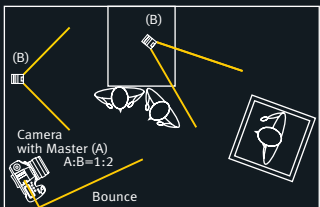
Second-Curtain Sync

Instead of firing the instant the shutter opens, Second-Curtain Sync fires the flash at the end of the exposure, allowing streaks of light to flow naturally behind a moving subject. This creative flash mode is most effective with slower shutter speeds and subjects with light sources, such as the headlights of a moving car.

Stroboscopic Flash

Stroboscopic flash is a series of flashes fired in rapid succession during a single exposure. With stroboscopic flash, multiple images of a moving subject appear in the photograph. Using this mode, you can analyze a golf swing or record the shattering of a windowpane. (Available with Speedlite 580EX, Macro Ring Lite MR-14EX and Macro Twin Lite MT-24EX).

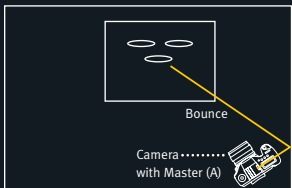
* A-TTL and TTL are not compatible with digital SLRs. See lens chart for a listing of lenses that supply distance information.
** Ambient exposure cannot be adjusted when the camera is set to Bulb mode or in low-light situations when the camera is set to Program AE or A-DEP.
*** Unlike conventional electronic flash, FP flash output (guide number) decreases as shutter speed increases above normal X-sync speed.
**** Flash exposure compensation can be set with most current Speedlites, and it can also be set with all current EOS cameras other than the EOS Rebel series and EOS Digital Rebel.



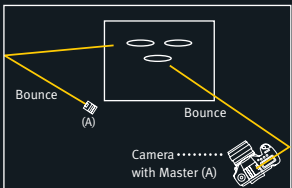
Sample Photo Analysis – Three flash units provided illumination. The light from the master flash unit (A), a Speedlite 580EX mounted on the camera, was bounced off the wall to soften its intensity before reaching the two violin makers. A slave 580EX (B) was set far enough away on a desk to be pointed directly at the statue, and another 580EX (B) was used to light up the overall office. Based on the results displayed on the camera's LCD monitor, the brightness of the master flash unit was halved to achieve natural lighting.

Wireless Flash Photography

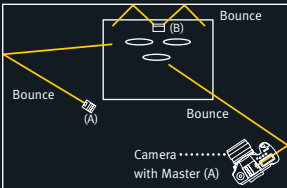
Canon's EX series Speedlites have made multiple-flash photography simple, wireless and automatic. Using either the Speedlite 580EX or the Speedlite Transmitter ST-E2 as a master unit, wireless signals are transmitted to an unlimited number of Speedlites 580EX or 430EX, creating myriad possibilities for lighting, no matter the location.



1. Set up the main flash unit – To prevent the strong shadows a direct flash would produce, the main flash was bounced off a wall near the camera to soften the lighting.



2. Add an auxiliary flash unit – Remaining shadows were weakened by bouncing an auxiliary flash (A) off another wall to hit the subjects from a direction opposite that of the main flash unit.



3. Add another auxiliary flash unit – To improve gradation and contrast, another auxiliary flash unit (B) was set up behind the subjects. Its light was bounced off the back wall to accent key details of the image.

E-TTL/E-TTL II Wireless Autoflash Control

Up to three groups (for main, fill, and background) of slave units can be set up for comprehensive control of flash lighting. The Speedlite slave units can be assigned to group A, B, or C, with output ratio between groups A and B adjustable from 8:1 to 1:1 or 1:1 to 1:8. The output of the group C can be adjusted through flash exposure compensation. You can concentrate on perfect lighting because the E-TTL/E-TTL II autoflash system controls the total flash output to ensure consistently correct exposure. Also, when Speedlite 580EX is used with EOS Digital, EOS-1v, EOS-3, EOS ELAN 7 series, or EOS Rebel T2 SLRs, you can fire a modeling (preview) flash for a full second at 70Hz by pressing the depth-of-field preview button. Even with multiple Speedlites, the modeling flash fires according to the ratios you have set. E-TTL/E-TTL II wireless autoflash also supports most other Speedlite features, such as FE Lock, FP Flash, Flash Exposure Bracketing/Compensation, and Stroboscopic Flash. Finally, for macro shooting, the Macro Ring Lite MR-14EX and Macro Twin Lite MT-24EX can be used as master units, as well.

Perfect Flash Illumination

Canon offers a full range of Speedlite flash units compatible with EOS System cameras for a wide variety of applications and photographers' needs. They range from simple, economical flashes to high-power, highly advanced Speedlites for professional use.



Speedlites



Speedlite 580EX

- Approx. 25% faster recycling time compared to 550EX.
- Superior evenness of exposure, center to corner of frame.
- Slightly higher max. guide number at 105mm setting (GN 190, feet).
- Auto conversion of flash coverage with compatible digital SLRs.*
- White Balance info communicated instantly to compatible digital SLRs.*
- Full swivel, 180° in either direction (first TTL flash with this ability).
- AF-assist beam now compatible with all AF points on every EOS SLR.
- Select Dial for easy inputs and user control.



Speedlite 430EX

- Approx. 40% faster recycling time compared to 420EX.
- High Guide No. at 105mm setting (GN 141, feet).
- Camera tells Flash about Autozoom (24-105mm): to adjust for camera sensor size.*
- Flash tells Camera about color temperature: to adjust white balance.*
- AF-assist beam compatible with up to nine AF points of an EOS SLR.
- Rear LCD panel and six Custom Functions setting button.
- Built-in wide panel for 14mm angle of view.



Speedlite 220EX

- E-TTL preflash autoflash system.
- Simplified, lightweight, compact design.
- Hot-shoe lock with a single motion.
- Flash confirmation lamp (after firing).
- Save Energy (SE) feature.

Speedlite Transmitter



Speedlite Transmitter ST-E2

- Dedicated transmitter to control unlimited number of slave flashes.
- For Speedlites 580EX, 430EX and 420EX.
- Controls slave units up to 33 ft. outdoors and 49.5 ft. indoors.

*Feature compatible with EOS-1Ds Mark II, 1D Mark II n, 1D Mark II, 5D, 30D, 20D and 20Da only (some earlier models require firmware upgrade).

Macro Lites



Taken with MT-24EX and EOS-1D



Macro Twin Lite MT-24EX

- Attaches to all Canon EF macro lenses (EF 180mm f/3.5L requires Macro Lite Adapter 72C).
- Twin flash heads can be rotated over 80° angle around lens in 5 degree increments.
- Heads can be swiveled or bounced and can be removed from mounting ring for added control.
- Powerful Guide Number of 78 (feet, at ISO 100), full E-TTL control and E-TTL features including FEL, Hi-speed sync, and FEB.



Taken with MR-14EX, EOS-1Ds and EF 50mm f/2.5 Compact Macro Lens ©Rick Sammon



Macro Ring Lite MR-14EX

- Twin-tube ring lite designed for close-up photography with EF Macro lenses; Flash tubes can fire together or independently.
- Compatible with all EOS bodies.
- Supports E-TTL/E-TTL II Wireless Autoflash in conjunction with one or more compatible EX Speedlites.
- Incandescent focusing lamps and two forms of modeling flash permit preview of lighting effects.

EX-series Speedlite Lineup

	Speedlite 580EX	Speedlite 430EX	Speedlite 220EX	Macro Twin Lite MT-24EX	Macro Ring Lite MR-14EX
Dimensions (W x H x D)	2.99 x 5.28 x 4.49 in. 76 x 134 x 114mm	2.8 x 4.8 x 4.0 in. 72 x 122 x 101mm	2.7 x 3.62 x 2.42 in. 65 x 92 x 61.3mm	Control Unit: 2.9 x 4.9 x 3.8 in. 74 x 125.9 x 97.4mm Flash Unit: 9.3 x 3.5 x 1.9 in. 235 x 90.4 x 49mm	Control Unit: 2.9 x 4.9 x 3.8 in. 74 x 125.9 x 97.4mm Flash Unit: 4.44 x 4.96 x 1.02 in. 112.8 x 126 x 25.6mm
Weight (without batteries)	13.2 oz./375g	11.6 oz./330g	5.6 oz./160g	20.64 oz./585g (combined flash & control units)	15.1 oz./428g (combined flash & control units)
Compatibility	All EOS SLRs	All EOS SLRs	All EOS SLRs	All EOS SLRs	All EOS SLRs
Max. Guide Number (ISO 100)	190 ft./58m	141 ft./43m	72.2 ft./22m	79 ft./24m	45.9 ft./14m
Power Source	AA (Alkaline, re-chargeable NiCd, Lithium, Ni-MH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E	AA (Alkaline, re-chargeable NiCd, Lithium, Ni-MH) batteries (x4)	AA (Alkaline, re-chargeable NiCd, Lithium, Ni-MH) batteries (x4)	AA (Alkaline, re-chargeable NiCd, Lithium, Ni-MH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E	AA (Alkaline, re-chargeable NiCd, Lithium, Ni-MH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E

Speedlite to the Max

Whether adding a battery pack, connecting two or more Speedlite flashes, or creating a complex wireless lighting solution, Canon has flash accessories for almost any photographic situation that are perfect complements to your Speedlite.



EF 85mm f/1.2L USM •f/2 •1/30



Compact Battery Pack CP-E3

This Compact Battery Pack accepts eight AA-size lithium batteries, as well as alkaline or rechargeable Ni-MH or Ni-Cd, AA-size batteries. The batteries in the CP-E3 combine with the four in the Speedlite for faster recycling and are ideal for extended shooting.



Transistor Pack E

A high-performance battery pack with interchangeable power supplies. Available as Transistor Pack E (six alkaline batteries in Battery Magazine TP) or transistor Pack E Ni-Cd Set (Ni-Cd Pack TP and charger). Both versions includes Connecting Cord ET.



Ni-Cd Pack TP/Ni-Cd Charger TP

Additional rechargeable Ni-Cd Pack TP batteries are available separately. They can also be freely interchanged with Battery Magazine TP. The charger TP recharges a Ni-Cd Pack TP in approximately 15 hours.



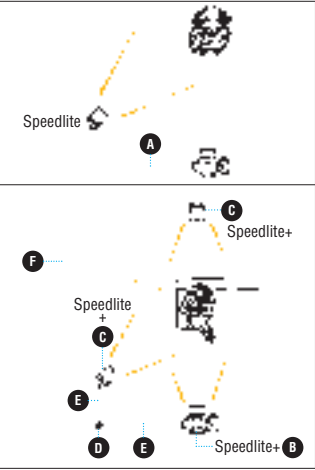
Battery Magazine TP

This magazine holds six commonly available C-size alkaline batteries. Included with Transistor Pack E, it is available separately for instant battery changes during shooting. Can be used in place of the Ni-Cd Pack TP. Connecting Cord ET is also available separately.

Other Speedlite Accessories

	A	B	C	D	E	F
	Off-Camera Shoe Cord 2	TTL Hot Shoe Adapter 3*	Off-Camera Shoe Adapter OA-2*	TTL Distributor*	Connecting Cord 60*	Connecting Cord 300*
Camera Compatibility	All EOS SLRs (Except 630 & RT)					
Description	This useful accessory maintains all on-camera flash functions for a Canon Speedlite used off-camera, at distances up to 2 ft./60cm.	Placed in the EOS camera's accessory shoe, this adapter controls up to 4 off-camera Speedlites.	For off-camera applications of Speedlite flash units, this adapter will accept one Speedlite and a connecting cord to the camera.	This connector accepts up to 4 connecting cords.	This 2 ft./60cm coiled cord has connections on both ends for TTL Distributor, OA-2, and/or Hot Shoe Adapter 3.	This 9.8 ft./3m straight cord has connections on both ends for TTL Distributor, OA-2, and/or Hot Shoe Adapter 3.

* These accessories provide TTL or manual flash control, but are not compatible with E-TTL or E-TTL II; no automatic flash with EOS digital SLRs.



Recycling Times and Shooting Capacities (580EX, 480EG⁺, MR-14EX and MT-24EX)

	With the 580EX		With the 480EG ⁺		MR-14EX		MT-24EX	
	Recycling Time (sec.)	Shooting Capacity (No. of Flashes)	Recycling Time (sec.)	Shooting Capacity (No. of Flashes)	Recycling Time (sec.)	Shooting Capacity (No. of Flashes)	Recycling Time (sec.)	Shooting Capacity (No. of Flashes)
Compact Battery Pack CP-E3 (w / Alkaline Batteries)	0.1~2.0	350~2,450	0.1~5	400~2,500	0.1~3	450~2,800	0.1~3	450~2,800
Compact Battery Pack CP-E3 (w / Ni-MH Batteries)	0.1~1.5	400~2,800	0.1~5	150~1,000	0.1~5	150~1,000	0.1~5	150~1,000
Transistor Pack E (w / Alkaline Batteries)	0.1~5	350~2,200	0.2~17	100~700	0.1~4	400~2,500	0.1~4	400~2,500
Transistor Pack E Ni-Cd Set	0.1~3	300~1,800	0.2~6	350~2,000	0.1~3	330~2,000	0.1~3	330~2,000

Compatibility Chart

	Compact Battery Pack CP-E3	Transistor Pack E
Speedlite 580EX	●	●
Speedlite 430EX	—	—
Speedlite 220EX	—	—
Macro Twin Lite MT-24EX	●	●
Macro Ring Lite MR-14EX	●	●
Speedlite 540EZ =	●	●
Speedlite 480EG =	●	●
Speedlite 430EZ =	●	●
Weight	5.5 oz./155g	29.8 oz./530g (without batteries)

= Discontinued product, for reference only.

Power Supplies

To add more power, ergonomics and speed to your EOS SLR body, consider one of Canon’s professional quality power boosters and grips. Check out the chart below to find the best match for your EOS SLR.



Power Drive Booster / Battery Pack Chart

	Power Drive Booster PB-E2	Battery Pack BP-E1*	Battery Pack BP-220*	Battery Pack BP-200*	Battery Pack BP-50*
Weight (without batteries)	17.1 oz./484g	9.8 oz./280g	4.1 oz./115g	3.9 oz./110g	5.3 oz./150g
Compatibility	EOS-1v HS, 1v, 1n, 1, 3	EOS-1v HS, 1v, 1n, 1, 3	Rebel T2/Ti/K2	Rebel 2000	ELAN II/IIe
Functions	Shutter Release button, AE Lock button, FE Lock/Multi-spot Metering button, Main Dial, focusing point selector	—	Shutter Release button, on/off switch	Shutter Release button, on/off switch	Shutter Release button, on/off switch
Power Source	Ni-MH Battery Pack NP-E2 or Battery Magazine BM-E2 and 8 AA-size Alkaline, Lithium, Ni-MH or Ni-Cd batteries	2CR5 lithium battery (x1), AA-size (Alkaline, rechargeable Ni-Cd, Ni-MH) batteries (x4)	AA-size (Alkaline, Ni-MH) batteries (x4)	AA-size (Alkaline, rechargeable Ni-Cd, Ni-MH) batteries (x4)	2CR5 lithium battery (x1), AA-size batteries (x4)

* Not compatible with AA-size lithium batteries.

Power Drive Booster PB-E2 Accessories

	Battery Magazine BM-E2	Ni-MH Pack NP-E2	Ni-MH NC-E2
Weight	1.8 oz./50g (without batteries)	10.9 oz./320g	12.5 oz./354g
Description	Magazine holds eight AA-size alkaline, lithium, Ni-Cd or Ni-MH batteries. (Provided with the PB-E2)	Powerful rechargeable battery pack dedicated to the PB-E2. The rated voltage is 12V. It can be recharged over 500 times. When fully charged, it has enough power for 70 rolls of 36-exposure film at 68°F/20°C.	Charger dedicated to the NP-E3 Battery Pack and the NP-E2 Pack. Two packs can be attached at one time. The discharge feature (taking up to 8.5 hrs) cancels the pack's memory effect. It runs on 100-240V AC, ideal for international travel.

Grips

	Grip GR100TP	Grip GR-80TP
Weight	9.5 oz./271g	10.5 oz./300g
Compatibility	Rebel 2000	Rebel G, X, XS, XSN
Description	Incorporates a mini tripod, excellent for use with self-timer, low-angle or night phography. The tripod can easily be adjusted vertically and horizontally, and when folded up, it is integrated with the body. Combined use with the hand strap ensures a secure grip on the camera.	

Remote Control & Date Back

Canon accessories are the perfect choice to enhance your EOS System’s performance. Whether through recording data or controlling your camera remotely, there’s no substitute for Canon’s own accessories.



EF 100mm f/2.8 Macro •f/4 •1/125 sec.

Remote Controller and Switches

	Wireless Controller LC-5	Remote Switch RS-80N3	Timer Remote Controller TC-80N3	Remote Switch 60T3	Remote Switch RS-60E3	Wireless Remote Controller RC-1	Wireless Remote Controller RC-5
Compatibility	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, 5D, 30D, 20D, 20Da, 10D, D60, D30, D2000, 1v HS, 1v, 3	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, 5D, 30D, 20D, 20Da, 10D, D60, D30, D2000, 1v HS, 1v, 3	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, 5D, 30D, 20D, 20Da, 10D, D60, D30, D2000, 1v HS, 1v, 3	N3-compatible cameras**, 1n RS, 1n, 1, A2/A2e, RT*, 630*, 620*, 650*	EOS Digital Rebel XTi, Rebel XT, Digital Rebel, ELAN 7 series, ELAN II/IIe, Rebel T2, Ti, 2000, G, X, XS, XSN, IX	EOS Digital Rebel XTi, Rebel XT, Digital Rebel, ELAN 7 series, II/IIe, ELAN, Rebel T2 Date, Ti Date, K2 Date, 10S	EOS Digital Rebel XTi, Rebel XT, Digital Rebel, ELAN 7 series, II/IIe, ELAN, Rebel T2 Date, Ti Date, K2 Date, IX, 10S
Description	<ul style="list-style-type: none">• An extended-range Wireless Controller system designed for EOS cameras with N3 remote control sockets.• Provides remote shutter release capability.• Max. transmitter to receiver distance of 300 ft./91.5m	<ul style="list-style-type: none">• Remote switch to prevent camera shake for super-telephoto or macro shots and bulb exposures.• Works like a Shutter button, enabling halfway or complete pressing.• Shutter release lock• Connects to N3-type socket.• Cord length: 2.6 ft./80cm.	<ul style="list-style-type: none">• Remote switch with self-timer, interval timer, long-exposure timer, and exposure-count setting feature.• Timer set from 1 sec. to 99 hrs., 59 min., 59 sec.• Easy operations with new dial.• Illuminated LCD panel.• N3-type connector.• Cord length: 2.6 ft./80cm.	<ul style="list-style-type: none">• Electromagnetic cable release with a 3-pin terminal.• Allows independent control of light metering and shutter release.• Cord length: 2 ft./60cm.	<ul style="list-style-type: none">• Compact remote switch replicating all the functions of a shutter release button.• Cord length: 2 ft./60cm.	<ul style="list-style-type: none">• Miniature infrared transmitter.• Set for either instant shutter release or 2-sec. delay.• Activate mirror lock and bulb shutter functions.• Operates as far as 16.4 ft./5m.	<ul style="list-style-type: none">• Compact design.• Operates as far as 16 ft./5m from the camera.

Remote Control Accessories

	Remote Switch Adapter RA-N3	Remote Switch Adapter T3	Cable Release Adapter T3	Extension Cord ET-1000N3	Extension Cord 1000T3
Compatibility	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, 5D, 30D, 20D, 20Da, 10D, D60, D30, D2000, 1v HS, 1v, 3	N3-compatible cameras**, EOS 1n RS, 1n, 1, A2/A2e, RT*, 630*, 620*, 650*	N3-compatible cameras**, EOS 1n RS, 1n, 1, A2/A2e, RT*, 630*, 620*, 650*	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, 5D, 30D, 20D, 20Da, 10D, D60, D30, D2000, 1v HS, 1v, 3	N3-compatible cameras**, EOS 1n RS, 1n, 1, A2/A2e, RT*, 630*, 620*, 650*
Description	<ul style="list-style-type: none">• Enables old-model, T3 terminal-equipped accessories to be connected to cameras with the N3-type socket.	<ul style="list-style-type: none">• Enables use of remote control devices with standard 2-pin subminiature jacks with T3-compatible EOS cameras.	<ul style="list-style-type: none">• Allows conventional mechanical cable release to be used with T3-type remote control sockets.	<ul style="list-style-type: none">• Connects compatible EOS cameras with Timer Remote Controller TC-80N3 or Remote Switch RS-80N3.• Cord length: 33 ft./10m.	<ul style="list-style-type: none">• Used with any other T3-compatible accessories for extension.• Cord length: 33 ft./10m.

* EOS RT, 650, 630 and 620 require Grip GR20 with built-in T3 remote socket.
** T3 accessories require Remote Switch Adapter RA-N3 with N3-series cameras.

Date Back

	Date Back DB-E2
Compatibility	EOS-1v HS, 1v, 3
Description	<ul style="list-style-type: none">• Interchangeable camera back with a quartz auto date imprinting function.• Quick Control Dial & LCD Display.• Imprints dates to 2019 in 5 formats.

Digital Accessories

Designed to help you get the most out of your EOS digital SLR, Canon has designed a number of different accessories, including power supplies and grips to extend battery life. Other specialized accessories include the Data Verification kit, CompactFlash (CF) cards, cases and much more.



EOS-1D Mark II N with Wireless File Transmitter WFT-E1A

Battery Grips

	Battery Grip BG-E4*	Battery Grip BG-E3*	Battery Grip BG-E2*
Weight	11.3 oz./320g (without batteries)	8.1 oz./230g (without batteries)	10.2 oz./290g (without batteries)
Compatibility	EOS 5D	EOS Digital Rebel XTi, Digital Rebel XT	EOS 30D, 20D, 20Da
Functions	Shutter-Release button, AE/FE Lock button, Main Dial, AF-frame-select button	Shutter-Release button, AE/FE Lock/ Index/ Reduce button, Main Dial, AF-frame-select button, Aperture/ Exposure compensation button	Shutter-Release button, AE/FE Lock button, Main Dial, AF frame-select button
Power Source	BP-511A/511/512/514 (x1 or x2), AA-size batteries (x6), AC Adapter Kit ACK-E2, Compact Power Adapter CA-PS400 plus DC Coupler DR-400	NB-2LH x2; AA-size battery (x6); or AC Adapter ACK700	BP-511A/511/ 512/514 (x1 or x2), size-AA-size batteries (x6), or AC Adapter Kit ACK-E2, or Compact Power Adapter CA-PS400 plus DC-Coupler DR-400

* accepts optional Hand Strap E1.

Batteries, Chargers and Adapters

	Ni-MH Pack NP-E3	Battery Pack BP-511A/BP-512/BP-514	Battery Pack NB-2LH	Battery ChargerCG-580	Battery Charger CB-5L	Battery Charger CB-2LW
Weight	11.8 oz./325g	2.5 oz./70g	1.52 oz./43g	5.6 oz./160g	3.5 oz./110g (including cord)	
Compatibility	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D	EOS 5D, 30D, 20D, 20Da, 10D, D60, D30, Digital Rebel	EOS Digital Rebel XTi, Digital Rebel XT	EOS 5D, 30D, 20D, 20Da, 10D, D60, D30, Digital Rebel	EOS 5D, 30D, 20D, 20Da, 10D, D60, D30, Digital Rebel	EOS Digital Rebel XTi, Digital Rebel XT
Description	Battery pack has a rated voltage of 12V, a rated capacity of 1,650 mAh and is lined with silicon rubber packing to enhance water and dust resistance. Uses the NC-E2 charger (recharges in about 120 minutes).	High-capacity lithium-ion battery.BP-511A has a different contour and 26% more storage capacity than BP-512. Note: EOS D30, D60 and Battery Grip BG-ED3 cannot use BP-512 series batteries.	Lithium-ion battery pack with a 720mAh capacity. The battery cover has a little hole whose orientation can be used to remind you whether the battery has been recharged or not.	Compact and light battery charger for BP-511A/BP-511/ BP-512/BP-514 as well as BP-522 and BP-533 for video camcorders.	Compact and light battery charger for BP-511A/BP-511/ BP-512/BP-514 as well as BP-522 and BP-533 for video camcorders.	Dedicated battery charger for Battery Pack NB-2LH. It has a built-in power plug and can be recharge the battery about 90 minutes.

	DC Coupler DR-400	AC Adapter Kit ACK-DC20	Compact Power Adapter CA-PS400	DC Coupler Kit DCK-E1	AC Adapter Kit ACK-E2
Weight	3.9 oz./123g (including cord)	13.6 oz./386 (including cord)	10.1 oz./287g (excluding AC cord)	5.3 oz./150g (DC Coupler) 7.2 oz./205g (AC Adapter)	3.9 oz./123g (AC-E2 unit only)
Compatibility	EOS 5D, 30D,20D, 20Da, 10D,D60,D30,Digital Rebel	EOS Digital Rebel XTi, Digital Rebel XT	EOS 5D, 30D, 20D, 20Da, 10D, D60, D30, Digital Rebel	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D	EOS 5D, 30D, 20D, 20Da, 10D, D60, D30, Digital Rebel
Description	Allows the camera to draw power directly from an AC power source when connected to the CA-PS400 Power Adapter or AC Adapter ACK-E2.	Allows the camera to draw power directly from an AC power source. Kit includes Compact Power Adapter CA-PS700, DC Coupler DR-700 and DR20.	Successively charges two BP-511A/BP-511/ BP-512/BP-514 battery packs. When connected to the DR-400, it allows the camera to draw power directly from an AC power source.	Allows the camera to draw power directly from an AC power source. Kit includes a dedicated DC Coupler and AC Adapter PA-V16.	Allows the camera to draw power directly from an AC power source. Kit includes a dedicated AC Adapter and DC Coupler DR-400. Compact and lightweight design (smaller than the CA-PS400).

Wireless File Transmitter WFT-E1A

Canon's Wireless File Transmitter WFT-E1A 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 photographers to concentrate on shooting photographs, knowing that their 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.



Data Verification Kit DVK-E2

An invaluable tool for law enforcement and other documentary purposes, Canon's exclusive Data Verification that verifies images taken with the EOS-1Ds Mark II, 1D Mark II n, 5D, 30D, 20D or 20Da have not been altered in any manner. Containing a dedicated card (Secure Mobile Card with DVK-E2) and card reader, together with special Windows 98SE/ 2000/ME/XP software (2000/XP only with DVK-E2), the Data Verification Kit can detect even the slightest discrepancy or alteration on any image taken with the EOS-1Ds Mark II, 1D Mark II n, 5D, 30D, 20D or 20Da.



DVK-E2 (for EOS-1Ds Mark II, 1Ds, 1D Mark II n, 5D, 30D, 20D and 20Da)

Interface & Video Cable

	Interface Cable IFC-200D6/ IFC-200D4**/ IFC-200D44	Interface Cable IFC-450D6*/ IFC-450D4/ IFC-450D44	USB Interface Cable IFC-400PCU****/ IFC-200PCU	Video Cable VC-100****
Length	6.6 ft./2m	14.8 ft./4.5m	3.3 ft./1m	4.8 ft./1.45m
Compatibility	D6: EOS-1Ds, 1D D4: EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D D44: EOS-1Ds Mark II, 1D Mark II	400 cable: EOS-1Ds Mark II, 1D Mark II n, 1D Mark II, 5D, 30D, 20D, 20Da, 10D, Digital Rebel XTi, Rebel XT, Digital Rebel 300 cable: EOS-1Ds Mark II, 1D Mark II, 20D, 10D, Digital Rebel 200 cable: EOS D60, D30	EOS-1Ds Mark II, 1D Mark II n, 1D Mark II, 5D, 30D, 20D, 20Da, 10D, Digital Rebel XTi, Digital Rebel	
	IEEE 1394 (FireWire®) interface cables used to connect the EOS to a MAC or Windows.		USB interface cables used to connect the EOS to a MAC or Windows.	Enables direct image display from the EOS to a television or a similar display device.
Description	D6: 6-pin/6-pin D4: 4-pin/6-pin D44: 4-pin/4-pin			
	Mark II series cameras have 4-pin FireWire connector.			

= Comes standard with the EOS-1Ds Mark II
* Comes standard with the EOS-1Ds
** Comes standard with the EOS-1D Mark II
*** Comes standard with the EOS 10D and Digital Rebel
**** Comes standard with the EOS-1Ds Mark II, 1D Mark II n, 1D Mark II, 5D, 30D, 20D, 10D, Digital Rebel XTi, Digital Rebel XT and Digital Rebel

CompactFlash (CF) and SD Cards

SimpleTech® CF and SD cards are available through Canon. These memory cards come in a variety of capacities including 128MB, 256MB and 512MB.



Image Format and Capacity Chart

Image Format		Recording Resolution	Recording Method	Compression Rate	Image File Size (MB)	Recording Capacity (shot)
EOS-1Ds Mark II *						
JPEG	Large	4992 x 3328 (Approx. 16.6 megapixels)	JPEG	Low Compression	5.5	80
	Medium 1	3600 x 2400 (Approx. 8.6 megapixels)	JPEG	Low Compression	3.2	135
	Medium 2	3072 x 2048 (Approx. 6.3 megapixels)	JPEG	Low Compression	2.6	169
	Small	2496 x 1664 (Approx. 4.2 megapixels)	JPEG	Low Compression	1.9	229
RAW	.CR2	4992 x 3328 (Approx. 16.6 megapixels)	Lossless Compression	Low Compression	14.6	25
RAW +	Large	—	RAW + Separate JPEG File		20.1	21
	Medium 1				17.8	21
	Medium 2				17.2	22
	Small				16.5	22
EOS-1D Mark II n *						
JPEG	Large	3504 x 2336 (Approx. 8.2 megapixels)	JPEG	Low Compression	3.2	48
	Medium 1	3104 x 2072 (Approx. 6.4 megapixels)			2.6	59
	Medium 2	2544 x 1696 (Approx. 4.3 megapixels)			1.9	77
	Small	1728 x 1152 (Approx. 2.0 megapixels)			1.1	135
RAW	.CR2	3504 x 2336 (Approx. 8.2 megapixels)	Lossless Compression	—	7.9	22
RAW +	Large	—	RAW + Separate JPEG File	—	—	19
	Medium 1				—	19
	Medium 2				—	19
	Small				—	19
EOS 5D *						
JPEG	Large/Fine	4368 x 2912 (Approx. 12.7 megapixels)	JPEG	Low Compression	4.6	101
	Large/Normal			High Compression	2.3	196
	Medium/Fine	3168 x 2112 (Approx. 6.7 megapixels)		Low Compression	2.7	168
	Medium/Normal			High Compression	1.4	319
	Small/Fine	2496 x 1664 (Approx. 4.2 megapixels)		Low Compression	2.0	233
	Small/Normal			High Compression	1.0	446
RAW	.CR2	4368 x 2912 (Approx. 12.7 megapixels)	Lossless Compression	—	12.9	29
RAW +	Large/Fine	—	RAW + Separate JPEG File	—	—	22
	Large/Normal				—	25
	Medium/Fine				—	24
	Medium/Normal				—	26
	Small/Fine				—	25
	Small/Normal				—	27
EOS 30D *						
JPEG	Large/Fine	3504 x 2336 (Approx. 8.2 megapixels)	JPEG	Low Compression	3.6	133
	Large/Normal			High Compression	1.8	267
	Medium/Fine	2544 x 1696 (Approx. 4.3 megapixels)		Low Compression	2.2	225
	Medium/Normal			High Compression	1.1	442
	Small/Fine	1728 x 1152 (Approx. 2.0 megapixels)		Low Compression	1.2	392
	Small/Normal			High Compression	0.6	761
RAW	.CR2	3504 x 2336 (Approx. 8.2 megapixels)	Lossless Compression	—	8.7	55
RAW +	Large/Fine	—	RAW + Separate JPEG File		—	39
	Large/Normal				—	45
	Medium/Fine				—	44
	Medium/Normal				—	49
	Small/Fine				—	48
	Small/Normal				—	51
EOS Digital Rebel XTi						
JPEG	Large/Fine	3888 x 2592 (Approx. 10.1 megapixels)	JPEG		3.8	130
	Large/Normal				2.0	249
	Medium/Fine	2816 x 1880 (Approx. 5.3 megapixels)			2.3	216
	Medium/Normal				1.2	410
	Small/Fine	1936 x 1288 (Approx. 2.5 megapixels)			1.3	376
	Small/Normal			0.7	709	
RAW +	Large/Fine	—	RAW + Separate JPEG File		—	36
RAW		3888 x 2592 (Approx. 10.1 megapixels)			9.8	50
EOS Digital Rebel XT						
JPEG	Large/Fine	3456 x 2304 (Approx. 8.0 megapixels)	JPEG		3.3	145
	Large/Normal				1.7	279
	Medium/Fine	2496 x 1664 (Approx. 4.2 megapixels)			2.0	245
	Medium/Normal				1.0	466
	Small/Fine	1728 x 1152 (Approx. 2.0 megapixels)			1.2	419
	Small/Normal			0.6	790	
RAW +	Large/Fine	—	RAW + Separate JPEG File		—	41
RAW		3456 x 2304 (Approx. 8.0 megapixels)			8.3	58

*Based on ISO 100, 512MB CF card and Canon's testing standards.
JPEG file sizes will vary depending on the subjects, shooting mode, and ISO speed.

Shooting 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.



Must be slid up when opening/closing camera's back cover.

Eyecup Ed-E
This large eyecup, designed for the EOS-3, A2/A2e, ELAN 7 series, and ELAN II/IIe, keeps out most sunlight and other external light, substantially enhancing viewfinder visibility. It is especially helpful for eyeglass wearers when photographing outdoors. The mount can be rotated for vertical shots.



Angle Finder C
Angle Finder C lets users 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 for variations in eyesight, Angle Finder C includes Adapter Ec-C and Ed-C to fit any EOS camera.



Dioptic Adjustment Lens
These Dioptic Adjustment lenses provide near- and far-sighted users a clear viewfinder image without the use of eyeglasses. Available in ten types from +3 to -4 dpt to match many types of eyesight, each Dioptic Adjustment Lens fits into the eyepiece holders of the appropriate EOS model for convenient use and a comfortable fit.



EF 180mm f/3.5L Macro USM •f/4.5 •1/200 sec.



Anti-Fog Eyepiece
These eyecups use specially treated advanced-process glass, which prevents condensation, or fogging. The eyecups are useful in warm, humid and cold weather, when fogging is most likely to occur.

Eyepiece Extender EP-EX15
Extends the eyepiece 5/8" (15mm) from the camera body and reduces viewfinder magnification by 30%. Useful for eyeglass wearers and others to keep the tip of the nose from touching the camera body.

Eyecups, Rubber Frames and Dioptic Adjustment Lenses

	Eyecup Eb	Eyecup Ec-II	Eyecup Ed	Eyecup Ef	Anti-Fog Eyepiece Ec	Anti-Fog Eyepiece Ed	Rubber Frame Eb*
Compatibility	EOS ELAN, Rebel series**, 700, 750, 850, 5D, 30D, 20D, 20Da, 10D, D60, D30	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, D2000, 1v HS, 1v, 1n RS, 1n, 1	EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe	EOS Digital Rebel XTi, Digital Rebel XT, EOS Digital Rebel, Rebel T2, Ti, K2	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, D2000, 1v HS, 1v, 1n RS, 1n, 1	EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe	EOS 10S, ELAN, 5D, 30D, 20D, 20Da, 10D, D60, D30, Rebel series**

	Rubber Frame Ec*	Rubber Frame Ef*	Dioptic Adjustment Lens E	Dioptic Adjustment Lens Ed	Eyecup Ed-E	Eyepiece Extender EP-EX15	Angle Finder C
Compatibility	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, D2000, 1v HS, 1v, 1n RS, 1n, 1	EOS Digital Rebel, Rebel T2, Ti, K2	All EOS SLRs except: EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe, IX, IX Lite	EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe	EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe	All EOS SLRs except: EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe, IX, IX Lite	All EOS SLRs

* Used with Dioptic Adjustment Lens E. ** Except Digital Rebel, Rebel T2, Ti and Rebel K2

Focusing Screens Ec Series

	Ec-A: Microprism	Ec-B: New Split	Ec-III: Laser-Matte	Ec-D: Laser-Matte with Sections	Ec-H: Laser-Matte with Scale
Compatibility	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, D2000, 1v HS, 1v, 1n RS, 1n, 1 and 3				
Description	This matte field screen with microprism focusing spot in the center is used for general photography with all lenses. It achieves best results when using a lens of f/5.6 or faster.	This matte field screen with split-image focusing spot in the center is good for general photography with all lenses.	Standard on the EOS-1D series, EOS-1v HS/ EOS-1v, and compatible with all EF lenses, this screen includes an Area AF ellipse and spot-metering circle. Manual focus can be checked anywhere on the screen.	This is a matte field screen with sections. Grid lines assist in determining accurate picture composition. It is especially well suited for close-up photography or for copy work using EF macro lenses, it can also be used for general photography with all lenses.	A matte field screen with vertical and horizontal scales marked in millimeters, this screen is effective for close-up photography and photomicrography. Useful in determining magnification ratios and composition, this screen can be used with all lenses.

	Ec-I: Laser-Matte with Double Cross-Hair Reticule	Ec-L: Cross-Split Image	Ec-N: New Laser-Matte	Ec-R: New Laser-Matte	Ec-S: Super Precision Matte*
Compatibility	EOS-1Ds Mark II, 1Ds, 1D Mark II n, 1D Mark II, 1D, D2000, 1v HS, 1v, 1n RS, 1n, 1 and 3				EOS-1D Mark II n
Description	This is a matte field screen with a clear center spot containing a double cross-hair reticule. Focusing is possible using the floating image of the central cross hair. This screen is particularly useful for photomicrography and astrophotography. Surrounding matte field can be used with all lenses.	This matte field screen has a 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 are obtained when using a lens of f/5.6 or faster.	This is the standard screen for the EOS-3. The outer oval-shaped area defines the coverage of the 45 AF points; the inner circle is for spot and FEL metering. When shooting, the focusing points will be indicated in red LCD markings. Along with the Ec-R screen, it is approximately 1/2 stop brighter than the Laser-Matte series screens.	This is the standard screen provided with the EOS-1n RS. It 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 Focusing Screen Ec-CII. It can be used in all EOS-1 series cameras, as well as the EOS-3.	An all-matte focus screen for the EOS-1D Mark II n with finer microlens structure than the standard screens. Out-of-focus areas show more vividly than with the other Ec type screens. It's ideally suited for use with f/2.8 and faster lenses, especially for manual focusing.

Note: All focusing screens include a special tool for removing original screen and installing new screen. EOS-1Ds, EOS-1D Mark II, EOS-1D, EOS-1v HS and EOS-1v—If using New Laser Matte Focus Screens Ec-N or Ec-R, be sure to set camera's Custom Function C.Fn-0 to "0". EOS-3—If using Laser Matte Ec-A, Ec-B, Ec-C, Ec-CII, Ec-CIII, Ec-D, Ec-I or Ec-L focus screens, be sure to set camera's Custom Function C.Fn-0 to "1". Exposure compensation is required when combining the focusing screen Ec-R with the EOS-1 or EOS-1n, and when combining the focusing screens Ec-A, B, CII, D, H, I and L with the EOS-1n RS. Refer to each focusing screen's instructions for detailed information.

*EOS-1D Mark II n must be set to Custom Function 00-2 for accurate exposure metering when this screen is installed. Manual exposure is required for use with other EOS-1 series cameras.

Focusing Screen Sets for 4x5 and Square Fomats

	Ec-1Ds/Ec-1D/Ee: Crop Lines	Ec-1Ds/Ec-1D/Ee: Black Mask
Compatibility	EOS-1Ds Mark II, EOS-1D Mark II n, EOS 5D	
Description	Ideal for the portrait and wedding photographer, the set "Crop Lines" includes two focus screens—one with 4x5 (or 8x10) crop lines etched on the screen, and a second screen with lines for square composition. All exposure metering can be performed normally in camera, and red focus point illumination remains fully active. The other sets "Black Mask" have and opaque black mask outside the picture area. One screen of the set shows the area for 4x5 (or 8x10) cropping, the other shows the area for square cropping. Partial or spot metering is recommended for these screens. E-TTL II flash exposure will definitely require significant compensation. FEL (Flash Exposure Lock) in conjunction with either partial or spot metering is recommended. 3 types are available for both sets respectively, according to the size of the CMOS sensor and viewfinder optics: for full frame 1Ds series*, 1D series and for 5D. *can also be attached to 35mm EOS-1 series and EOS-3 cameras.	

Focusing Screens Ee Series

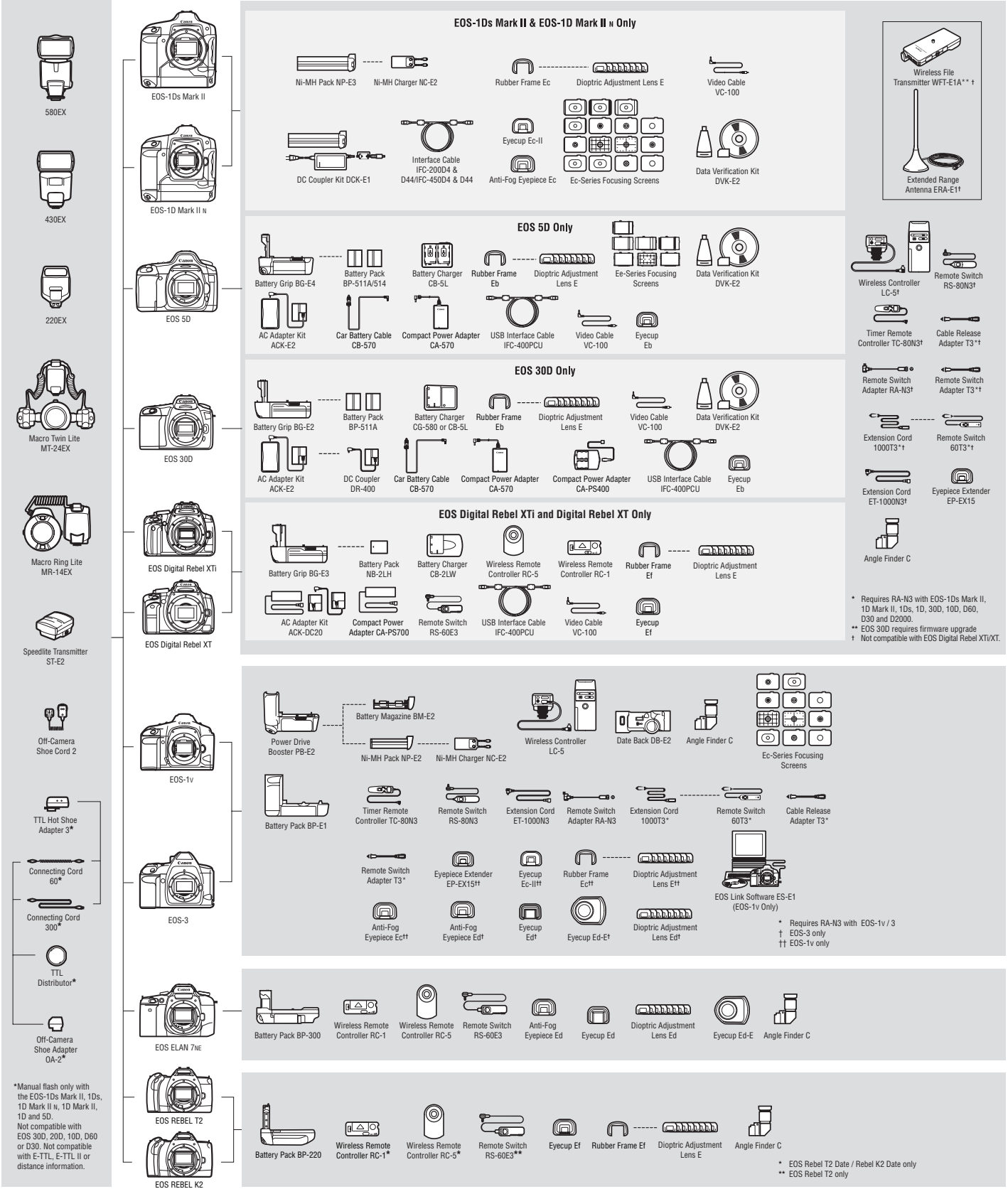
	Ee-A: Precision Matte	Ee-D: Precision Matte with Grid Lines	Ee-S: Super-Precision Matte
Compatibility	EOS 5D		
Description	Replacement standard focus screen exclusively for the EOS 5D. Matte surface with nine AF points etched on screen. For general photography with all lenses.	Similar to standard Ee-A screen for EOS 5D, but with horizontal and vertical lines for precise subject placement or alignment. Overall matte surface gives viewing and focusing very similar to standard Ee-A screen. EOS 5D must be set to Custom Function 00-1 for accurate exposure metering.	An all-matte focus screen for the EOS 5D with finer microlens structure than the standard screens. Out-of-focus areas show more vividly than with Ee-A and Ee-D screens. It's ideally suited for use with f/2.8 and faster lenses, especially for manual focusing. EOS 5D must be set to Custom Function 00-2 for accurate exposure metering.

Peripherals

Canon offers a comprehensive line of accessories for the photographer on the go. Canon's camera cases are built specially to protect EOS models, and the bags can accommodate a number of different camera configurations. These are all built to the highest standards, and are the perfect complement to the EOS System.



Bag	 Includes Custom Media Case 10DG			
Storage Capacity	1~2 2~3 1	1~2 2~3	2 7~10	2 5~8
Dimensions	Inside: 13" x 9.5" x 6.25" (W x H x D)	Inside: 10.5" x 7.5" x 7" (W x H x D)	Inside: 14.2" x 8.7" x 8.3" (W x H x D)	Inside: 11" x 8.7" x 7.9" (W x H x D)
Description	To hold cameras, lenses, accessories and a laptop computer. It features a durable, water-repellent nylon extender, pockets and padded dividers. Also Custom Media Case 10DG* to organize memory cards and CDs is included.	This bag has a roomy main compartment for camera body and extra lenses. Front and side pocket hold extra batteries, storage media and others. This functional bag is with non-slip shoulder strap and water-resistant nylon covering to keep your gear safe and sound.	Waterproof, urethane-coated material provides this bag with superlative weather protection and the weather flapped top cover. Fully padded pockets and zippered pouches provide storage spaces with fast access to equipment.	It made with rugged, waterproof material has all the features of the Professional Gadget Bag 1EG. Plus a built-in waist belt that tucks away behind the rear pouch.
Bag	 Gadget Bag 2400	 Deluxe Back Pack 200EG	 Custom Gadget Bag 100EG	 Zoom Pack 1000
Storage Capacity	1 1~2	1~2 3~4	1~2 3~4	1 1
Dimensions	Size: 10" x 14.75" x 5" (W x H x D)	Inside: 10" x 14.75" x 5" (W x H x D)	Inside: 9" x 7" x 5.5" (W x H x D)	Inside: 6.5" x 8.7" x 4.72" (W x H x D)
Description	A lightweight and versatile camera bag designed to hold your important gear. Durable water-repellant nylon sell and padded interior keep all equipment secure. Front and side pockets add storage space and easy access for smaller items.	Perfect for the active photographer. Constructed of rugged water-repellant nylon, well arranged dividers and multiple pockets and pouches mean there is plenty of room for just about anything.	The front zippered pouch features 3 accessory pockets. The rear flat-pouch is perfect for storing things such as plane tickets. There is also a zippered full-length mesh pouch inside the top cover.	Specially designed to comfortably transport one camera with a standard zoom lens. It features waterproof material, a belt strap and front pouch for small items such as films, memory cards or accessories.
Case	 Semi-Hard Case EH18-L	 Semi-Hard Case EH17-L	 Semi-Hard Case EH14-L	 Semi-Hard Case EH15-L
Compatibility†	EOS Digital Rebel XTi, Digital Rebel XT	EOS 30D, 20D, EOS 20Da	EOS ELAN 7 series	EOS Rebel T2, Ti, K2
Tripod & Monopod	 Deluxe Tripod 200 Level Included Quick Release Photo Platform	 Monopod 100	Canon Straps  Wide Neck Strap L3 Color: Black  Digital EOS Strap Color: Black  EOS Wide Neck Strap EW-100 Color: Red or Marble Blue	
Length	59.33" extended/21.67" folded	63.0" extended/20.5" folded		
Weight	2.65 lbs.	16 oz.		
Description	This lightweight tripod is designed for easy portability and maximum stability. It features a 3-way pan head for precise control. The 3-section tubular leg construction allows for exceptional stability. The tripod also features a built-in spirit level and a quick release shoe.	A lightweight, high-quality monopod featuring a deluxe 4-section compact tubular leg with quick-side-lever leg locks and rubber tipped foot for added stability. The Monopod 100 has a foam-covered handgrip, wrist strap and also a ball socket head.	Professional Neck Strap 1 Rugged, high quality neck strap designed for the most demanding photographers. Features durable non-slip backing, quick-release clips and anti-twist hardware to make carrying and shooting easy	



*Also available separately. †For compatibility with specific lenses see your Canon Authorized Dealer or visit www.canoneos.com.



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PHOTO PRINTER TECHNOLOGY

Built upon a foundation of leading-edge technologies, the EOS System puts photographers in touch with their minds' eyes, enabling them to capture images of beauty and clarity that had once existed only in their imaginations. Canon's commitment to photographic excellence, however, does not end with image capture. Combining Canon's unparalleled expertise in photography, photocopying and printing technologies, Canon imagePROGRAF and PIXMA photo printers are redefining output quality, performance and convenience. Delivering extraordinary ink and print head technologies, sophisticated drivers with advanced color controls, professional software support and compatibility with a broad selection of papers and specialty media, Canon photo printers are surpassing the expectations of demanding photographers and imaging professionals. They are the perfect complement to your EOS System with results that are nothing short of stunning!



PIXMA Pro9000

imagePROGRAF iPF5000



Large Format Printer Technology

Photographers seeking to produce their own gallery-grade inkjet prints have had limited choices until now. Understanding the demands of professional photographers—especially those who shoot with the EOS System—Canon has responded with the imagePROGRAF iPF5000 and iPF9000. Both feature impressive new technologies that bring unprecedented quality and performance to large format photo printing. It's never been simpler or more cost-effective to produce gallery-grade prints at home or in the studio.

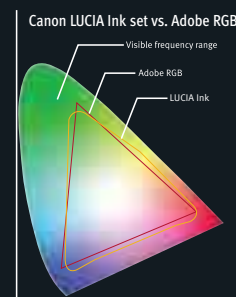
LUCIA 12-Color Pigment Ink Set

Canon's newly developed LUCIA ('light' in Latin) 12-color pigment ink set delivers a substantially wider color gamut than ink sets used in competitors printers. This greater range of available colors produces richer, more vibrant prints, images that rival or beat those produced in the photo lab.



The LUCIA ink set includes three levels of gray—black or matte black, gray and photo gray—to deliver black

and white photo prints with exceptional d-max and an unrivaled range of tones and detail. To ensure long-lasting prints with excellent archival characteristics, these inks are pigment-based, making prints ideal for display or sale. Canon's imagePROGRAF printers ship with a starter set of all 12 inks.



Canon RC Photogloss L=50

PhotoLithographic User-Replaceable Print Heads

Canon's FINE (Full-photolithography Inkjet Nozzle Engineering) print heads ensure accurate and detailed ink delivery, no matter the medium being used for printing. This new, advanced head design uses two print heads—each with 15,360 nozzles—yielding over 30,000 nozzles, which release microscopic ink droplets quickly and precisely.



LUCIA 12-Color Pigment Ink Set

This not only makes extremely high output resolution simple, but also ensures faster,



Multi-nozzle Dual Print Heads

more reliable printing. Photographers no longer need to compromise on print speed to attain high image quality because Canon's superior print head technologies deliver both. The large number of nozzles also substantially increases print head life, so the printer requires less frequent maintenance. The print heads are user replaceable, can be replaced with minimal downtime and without service calls, saving time and money and increasing productivity.

16-Bit Printing Support

While conventional inkjet printers support 8 bits per-channel and require a conversion from 16 bits somewhere during the workflow,



Digital Photo Professional

PHOTO PRINTERS

the imagePROGRAF iPF5000 and iPF9000 provide advanced support for high-bit depth files. Software Plug-ins enable high-bit depth images to be printed directly from Digital Photo Professional 2.1. Also included is an export module for printing 16-bit files directly from Adobe® Photoshop®. These features provide the photographer with the first true wide-dynamic-range workflow option from capture to output. Images are reproduced with smoother tonal gradations for greater photorealism. Dynamic-range-related problems, such as posterization and banding, are significantly reduced.

Exclusive Canon L-COA Image Processor



High Performance & Integration

Integrated System & Engine Control

High Speed Engine Control

High Accuracy & High Speed Control of High Density Head

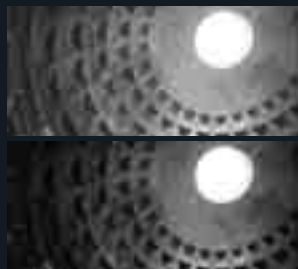
High Fine Image Process

Integrated System & Engine Control



Automated Black Ink Cartridge Switching

The new ink set includes black and matte black cartridges to allow printing on photo paper and matte paper respectively



Regular Black vs. Matte Black on Fine Art Media

without switching cartridges or wasting of ink every time. Other printers require the user to perform an inconvenient and wasteful manual operation to flush unused ink and switch cartridges. However, with the Canon imagePROGRAF iPF5000 and iPF9000, both black ink cartridges are loaded at all times, so switching over is performed efficiently with a simple push of a button.

Automatic Head Clog Detection

Canon's sophisticated nozzle clog detection system automatically senses non-firing nozzles and executes a print head cleaning cycle as required. Should a clogged nozzle fail to recover after cleaning, the system automatically compensates by substituting other functioning nozzles. This minimizes print-head-related output failures, reduces paper waste and improves print head durability, saving photographers both time and money.

Advanced Connectivity

Both the imagePROGRAF iPF5000 and iPF9000 come equipped with USB 2.0 Hi-Speed and Ethernet interfaces. An IEEE 1394 Firewire interface is also an available option. The printers also feature excellent multi-platform support, enabling seamless integration with a wide variety of hardware and workflow configurations.



Unsurpassed Output Media Selection

The imagePROGRAF iPF5000 and iPF9000 support a wide range of paper and specialty output media, such as resin coated photo paper, canvas and fine art paper. 4-way media feeding, including a roll feed, enable the printers to



Roll Paper

handle media thicknesses from 0.08 to 1.5 millimeters. Besides media available from other manufacturers, Canon offers more than 35 different types of compatible paper, with additional paper and media types in the works. Moreover, the supplied Media Configuration Tool enables the user to update the driver, using a periodically published database, to accommodate new Canon media as they become available.

4-way Media Feed (iPF5000)



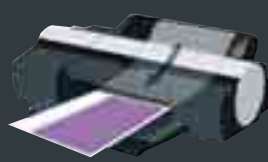
Cassette



Manual from the top



Manual from the front

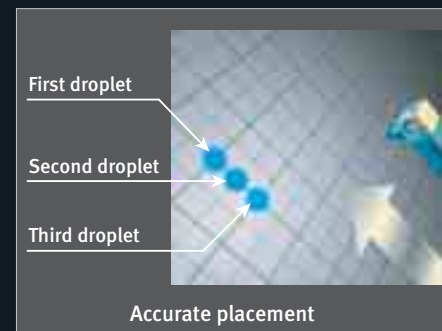
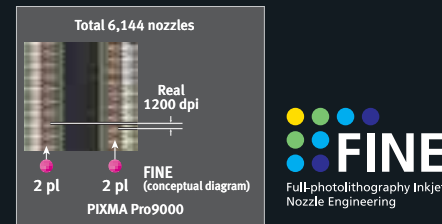


Roll (optional)



FINE Print Head Technology

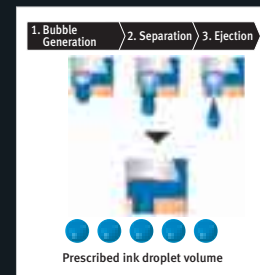
Canon's high-precision FINE (Full-photolithography Inkjet Nozzle Engineering) print heads each have thousands of nozzles designed to release microscopic ink droplets as small as 2-picoliter in a single pass, resulting in fast, high-resolution printing. Capable of plotting thousands of ink droplets each



second, the high-density nozzle pitch produces sharper detail and less grain. Canon's print heads are engineered using a photo-lithographic process that produces incredibly high-precision output and equally incredible prints.

Consistent Ink Ejection System

To enable smooth prints, all of the ink below the cartridge's heater is expelled by the generated bubble, eliminating the need to break the ink away. The ejection volume is therefore not affected by differences in ink temperature, so ink droplets of a prescribed volume are ejected consistently.



The ChromaLife100 System



The PIXMA Pro9000 is outfitted with a 8-color dye-based ink system. With the addition of red and green inks, red saturation is increased by approximately 60% and green saturation is increased by approximately 30%. The PIXMA Pro9000 uses ChromaLife100 ink for improved image longevity. Photos have a 100-year print life when kept in albums, and when these inks are combined with Canon's genuine photo media, prints will withstand 30-year light fastness and 10-year gas fastness. This advantage is achieved without compromising print quality or speed.



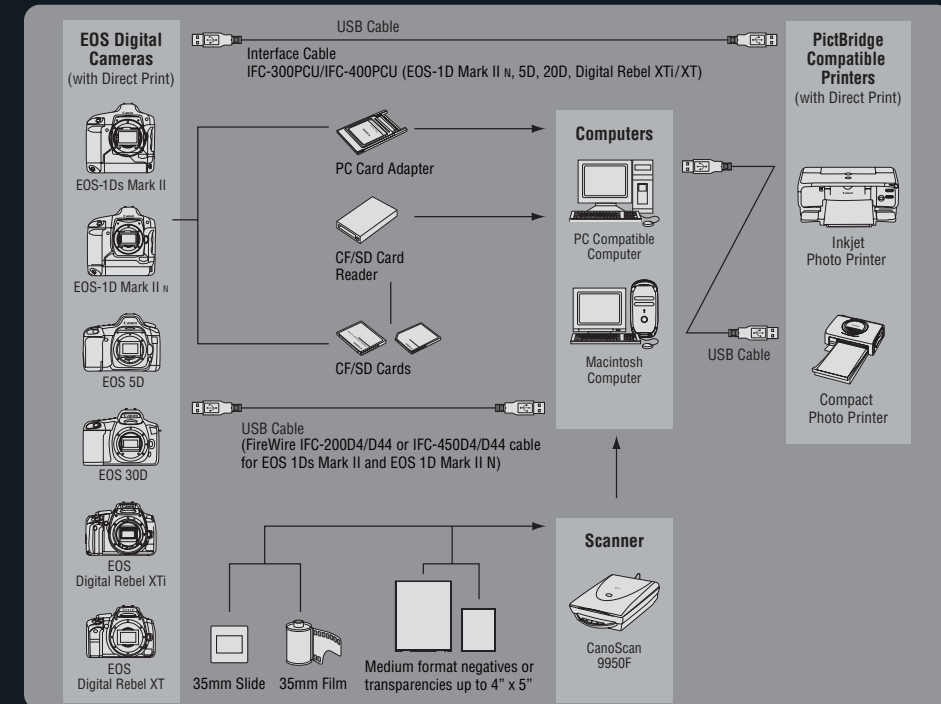
ChromaLife100 Ink System

Advanced Paper Handling

The PIXMA Pro9000 features two paper paths: a standard top loader and a manual front loader for increased versatility and convenience. The front loader can accept thick, fine art media, creating a straight paper path that prevents the media from bending while printing.

Improved Camera to Printer Connectivity

When shooting with selected EOS digital SLRs and printing with the PIXMA Pro9000, photographers can take advantage of improved advanced camera direct capabilities. Photographers can use print



effects to finely tune images and can arrange images in a variety of useful layouts—all on their cameras. Ultimately, this level of connectivity enables photographers to print directly from their cameras with the exact color tones and saturation they specify.

Easy-PhotoPrint Pro Software

Canon's Easy-PhotoPrint Pro (EPP Pro) software plug-in augments post-production software. EPP Pro has new layout options such as pattern prints, contact prints and prints with shooting information. It also allows for color adjustments, including ICC Profile, Linear Tone, Photo Color, monotone printing and grayscale printing, and with advanced color management, all settings can be saved.



Pattern Print

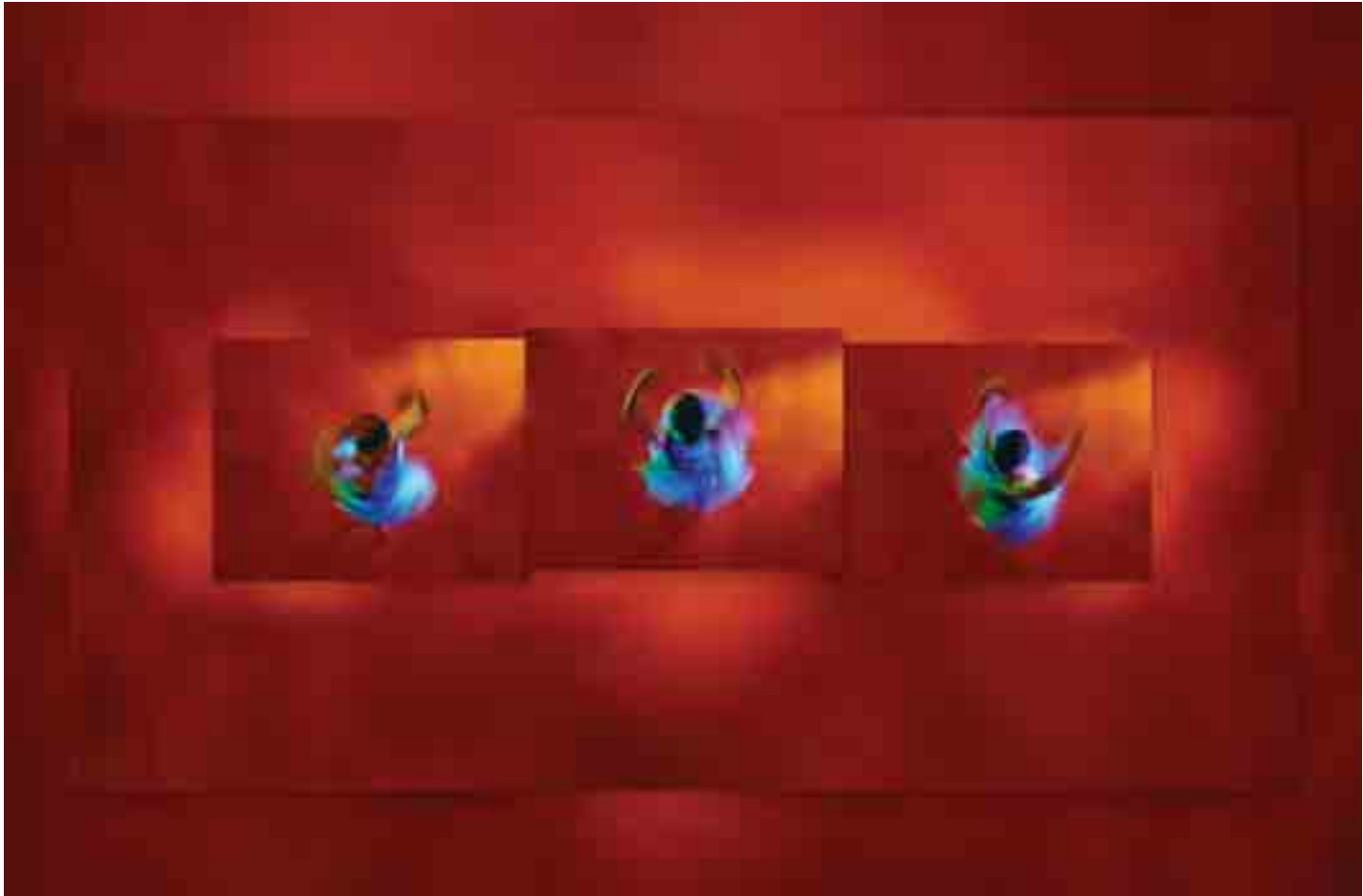
PictBridge

Shoot digital, print direct. It's a fast and easy way to print pictures on the spot without a computer. Just connect any PictBridge-compatible printer to a digital camera and print.
1. Connect – Connect your EOS digital camera directly to a PictBridge-compatible photo printer.
2. Select – Choose the image, print size and style from the camera's LCD menu screen.
3. Print – Press the print function from the menu and you'll have photo lab-quality prints in minutes.



Photo Printing Redefined

Canon photo printers deliver professional, lab-quality prints of images taken by EOS digital cameras with convenience and speed. Augmented by new ink sets and technology that improve the quality of color and black and white prints, Canon's new imagePROGRAF and PIXMA photo printers have redefined professional photo output.



©Parish Kohanim

imagePROGRAF iPF5000

Superb Color reproduction with Canon's LUCIA 12-Color pigment Ink Set

With Canon's imagePROGRAF iPF5000, no-compromise large-format, fine art printing has never been easier. Canon's exclusive LUCIA 12-color pigment set yields a tremendous range of colors and grays, for smooth, detailed color and black and white images, no matter the media. Canon's FINE photo-lithographic heads ensure accurate plotting of even the finest details thanks to over 30,000 nozzles. Matte Black and Black ink cartridges are both loaded in the printer at the same time, enabling automatic switching without wasting time or ink.



NEW



PIXMA Pro9000

Professional Quality Photos for Big Ideas.

Capable of quickly printing lab-quality prints up to 13" x 19", Canon's PIXMA Pro9000 raises the bar thanks to its combination of speed and versatility. Its FINE print heads generate a maximum resolution of 4800 x 2400 dpi and ChromaLife100 dye-based inks create long lasting, beautiful photos. Canon's Easy-PhotoPrint Pro software, including plug-ins for Digital Photo Professional V2.1 and Adobe Photoshop CS/CS2, combine with a new printer driver for advanced color control, ensuring accurate prints from the start.

NEW



PIXMA MP810

Premium All-in-One Photo Printer with 3" TFT Display and Easy-Scroll Wheel.

The new PIXMA MP810 is an uncompromising printer, scanner and copier. Using FINE print head technology and ChromaLife100 inks, the MP810 prints long-lasting photos at 9600 x 2400dpi and scans photos, documents, 35mm film and slides with an optical resolution of 4800 x 4800 dpi. With ports for select memory cards, USB connectivity for PictBridge compatible cameras and Bluetooth/IrDA capabilities, the MP810 ensures easy connections for increased productivity. It's the perfect all-in-one solution.

NEW



PIXMA iP6700D

Style & Photo Lab Quality Performance with 3.5" Color LCD Viewer

The new PIXMA iP6700D is the perfect printer for serious photography, with or without a computer. Featuring an extra large 3.5-inch color LCD viewer, plus compatibility with select memory cards and PictBridge devices, the iP6700D has built-in red-eye reduction and image enhancement capabilities for enhancement on-the-go. Using ChromaLife100 system inks and a FINE print head capable of 9600 x 2400 dpi with droplets as small as one picoliter, it makes impressive prints, even double-sided, fast.

PRINTER & SCANNER COMPARISON CHART

Photo Printers & Compact Photo Printers

								
	PIXMA Pro9000 Photo Printer	PIXMA iP6700D Photo Printer	PIXMA iP6310D Photo Printer	PIXMA iP4300 Photo Printer	PIXMA iP1700 Photo Printer	PIXMA i900 Photo Printer	PIXMA mini260 Photo Printer	SELPHY CP730/CP720 Compact Photo Printer
Ink Type	ChromaLife100	ChromaLife100	ChromaLife100	ChromaLife100	ChromaLife100	ChromaLife100	ChromaLife100	Dye-Sub
Number of ink tanks	8	6	2	5	2	2	1	1
Maximum DPI	4800x2400	9600x2400	4800x1200	9600x2400	4800x1200	4800x1200	9600x2400	300x300
Print Head	6144 Nozzles	3072 Nozzles	2304 Nozzles	3584 Nozzles	1472 Nozzles	1088 Nozzles	1536 Nozzles	—
Print Speed* (Approx.)	4x6 borderless in 30 sec.*	4x6 borderless in 47 sec.*	4x6 borderless in 60 sec.*	4x6 borderless in 36 sec.*	4x6 borderless in 55 sec.*	4x6 borderless in 51 sec.*	4x6 borderless in 59 sec.*	4x6 borderless in 60 sec.*
LCD/TFT	— / —	• / —	• / —	— / —	— / —	— / —	— / •	• / —
Borderless Print Sizes								
13" x 19"	•	—	—	—	—	—	—	—
8.5" x 11"	•	•	•	•	•	•	—	—
5" x 7"	•	•	•	•	•	•	—	—
4" x 6"	•	•	•	•	•	•	•	•
credit card size	•	•	•	•	•	•	•	•
16 mini-labels	•	•	•	•	•	•	•	•
System Compatibility								
Duplex Printing	—	•	—	•	—	—	—	—
Dual Paper Trays	—	•	•	•	—	—	—	—
Direct Printing	•	•	•	•	—	•	•	•
Exif Print	•	•	•	•	•	•	•	•
Easy-Photo Print	•	•	•	•	•	•	•	•
Easy Photo Print Pro	•	—	—	—	—	—	—	—
ThinkTank System	•	•	—	•	—	—	—	—
FINE	•	•	•	•	•	•	—	—
USB 2.0 High Speed**	•	•	•	•	—	•	•	•
Memory Card Slots***	—	•	•	—	—	—	•	•
Bluetooth†/IrDA††	— / —	• / •	• / —	— / —	— / —	• / •	• / •	• / •









Photo All-In-One

					
	PIXMA MP810 Photo All-In-One	PIXMA MP600 Photo All-In-One	PIXMA MP510 Photo All-In-One	PIXMA MP460 Photo All-In-One	PIXMA MP160 Photo All-In-One
Ink Type	ChromaLife100	ChromaLife100	ChromaLife100	ChromaLife100	ChromaLife100
Number of ink tanks	5	5	4	2	2
Maximum DPI	9600x2400	9600x2400	4800x1200	4800x1200	4800x1200
Print Head	4608 Nozzles	3584 Nozzles	1600 Nozzles	1472 Nozzles	1472 Nozzles
Print Speed* (Approx.)	4x6 borderless in 21 sec.*	4x6 borderless in 28 sec.*	4x6 borderless in 47 sec.*	4x6 borderless in 52 sec.*	4x6 borderless in 52 sec.*
LCD/TFT	— / •	— / •	• / —	• / —	— / —
Borderless Print Sizes					
13" x 19"	—	—	—	—	—
8.5" x 11"	•	•	•	•	•
5" x 7"	•	•	•	•	•
4" x 6"	•	•	•	•	•
credit card size	•	•	•	•	•
16 mini-labels	•	•	•	•	•
System Compatibility					
Duplex Printing	•	•	—	—	—
Direct Printing	•	•	•	•	•
Exif Print	•	•	•	•	•
Easy-Photo Print	•	•	•	•	•
ThinkTank System	•	•	•	—	—
FINE	•	•	•	•	•
USB 2.0 High Speed	•	•	•	•	•
Memory Card Slots***	•	•	•	•	—
Bluetooth†/IrDA††	• / •	• / •	• / •	• / •	— / —
Fax Capable	—	—	—	—	—
Copy/Scan Capabilities					
Scanning Resolution	4800x4800 48-bit internal	2400x4800 48-bit internal	1200x2400 48-bit internal	1200x2400 48-bit internal	600x1200 48-bit internal
Copy Speed	31cpm blk 24cpm color*	30cpm blk 24cpm color*	25cpm blk 17cpm color*	22cpm blk 17cpm color*	22cpm blk 17cpm color*
2-sided ADF Copy/Scan	—	—	—	—	—
Film Copy	•	—	—	—	—
Automatic Exposure	•	•	•	•	—
Fit to Page	•	•	•	•	—
Image Repeat	•	•	•	•	—
2 on 1 Image Combination	•	•	—	—	—
Auto Magnification	•	•	•	•	—
Fading Correction	•	•	•	—	—
Dual Color Gamut Processing Technology	•	•	•	•	•

PRINTER & SCANNER COMPARISON CHART

Color Image Scanners

			
	CanoScan 9950F Color Image Scanner	CanoScan 8600F Color Image Scanner	CanoScan 4400F Color Image Scanner
Copy/Scan Capabilities			
Special Features	Supports negatives up to 4"x5"	Auto corrects scans of photos and films	Built-in adapter for scanning film up to medium format
Resolution	Up to 4800x9600 dpi 48-bit in/out	Up to 4800x9600 dpi 48-bit in/out	Up to 4800x9600 dpi 48-bit in/out
Batch Scans	Up to 30 35mm negs Up to 12 35mm mounted slides	Up to 12 35mm negs Up to 4 mounted slides Up to 6 120 roll	Up to 6 frames of 35mm film (neg.)
Film Automatic Retouching and Enhancement (FARE)	Level 3	Level 3	—
USB 2.0 Hi-Speed	•	•	•
Firewire (Mac only)	•	—	—

			
	CanoScan LiDE 600F Color Image Scanner	CanoScan LiDE 70 Color Image Scanner	CanoScan LiDE 25 Color Image Scanner
Copy/Scan Capabilities			
Special Features	Three-way design for upright and horizontal scanning	Advanced Z-lid for scanning bulky items	One Cable for USB and Power
Resolution	Up to 4800x9600 dpi 48-bit in/out	Up to 2400x4800 dpi 48-bit in/out	Up to 1200x2400 dpi 48-bit in, 24-bit out
Batch Scans	Up to 6 frames of 35mm film (neg./pos.)	—	—
Film Automatic Retouching and Enhancement (FARE)	Level 3	—	—
USB 2.0 Hi-Speed	•	•	—
Firewire (Mac only)	—	—	—

* Print speed measured as soon as first page begins to feed into printer. Copy speed is measured after the first page is ejected. Output speed will vary depending upon a number of factors. For additional information, see www.usa.canon.com/printspeed

** USB 2.0 Hi-Speed requires Windows XP, 2000 or Mac OS X operating systems. For Windows 98, Me and Mac OS X v.10.2 or higher operating systems, the printer will operate at USB 1.1 specifications.

***Compatible memory cards include CompactFlash®, MicroDrive, SmartMedia®, Memory Stick®, Memory Stick Pro®, SD Card®, and MultiMediaCard® v.3.31. XD-Picture Card®, Memory Stick Duo®, Memory Stick Pro Duo®, RS-MMC® v.3.31 and miniSD™ Card requires an additional adapter which must be purchased separately.

† Bluetooth v1.2 with optional Canon Bluetooth Adapter BU-20. Bluetooth operation depends on the devices and software version used. Operating distance is approximately 10 meters but may vary due to obstacles, radio signals, locations where radio interference occurs, magnetic fields from microwave ovens, device sensitivity and/or antenna performance.

†† JPEG files 3MB or smaller only. Requires mobile phone with IrDA port and support for IrMC version 1.1 protocol, with phone positioned no more than 7.9 inches from printer.