

Canon

EOS-1D

Mark II

Digital Camera for Professionals

8.2M
CMOS Sensor



8.5 fps

**How high can resolution and continuous shooting speed go?
EOS-1D Mark II has the answer.**

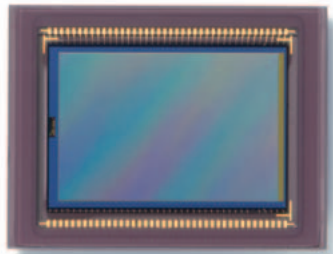


The reborn EOS-1D achieves 8.2 effective megapixel resolution even at a continuous shooting speed of 8.5 frames per second. This extraordinary feat is more than evolution, it's a revolution in digital camera performance. Versatility, operational ease and all aspects of camera design have been meticulously refined to give professionals a genuine edge at decisive moments.

Higher performance and convenience borne of advanced technology and responsiveness to the requests of professionals.

Large CMOS Sensor (approx. 8.2 million effective pixels)

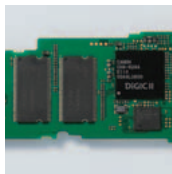
Canon's new CMOS sensor with high-speed 8-channel reading technology delivers exceptional image quality with low noise and an extremely high S/N ratio. Its large 28.7 x 19.1mm size realizes an effective angle of view that's just 1.3 times the focal length indicated on Canon EF lenses.



CMOS Sensor (Actual size)

DIGIC II Imaging Processor

Compatible with DDR-SDRAM, Canon's newly developed, state-of-the-art DIGIC II Imaging Processor achieves continuous shooting of 8.2 megapixel images at 8.5 fps and employs original Canon algorithms to accurately convert signals into crisp, high-resolution images with natural color and rich gradation.



8.5 fps continuous shooting with up to 40 images per burst

The EOS-1D Mark II is the world's fastest Digital AF-SLR camera (as of February 2004). Its record-breaking 8.5 fps speed is achieved even at full resolution (3,504 x 2,336 pixels), and is maintained during max. bursts of 40 shots in JPEG mode (20 shots in RAW or RAW+JPEG mode).

E-TTL II Autoflash

Canon's new Evaluative Through-The-Lens (E-TTL) Autoflash system offers evaluative metering as well as new averaged metering, which employs a new recording algorithm to achieve more stable control and help prevent underexposure and overexposure even when the subject changes location.

High reliability and rigidity

The highly reliable EOS-1D Mark II features rigid magnesium alloy in the chassis and external covers that also contributes to electromagnetic shielding, a durable finish and extremely low body weight. At 200,000 shutter cycles, shutter durability is 30% higher than in the EOS-1D and EOS-1Ds.

Software and accessories

Improved software features, which include EOS Viewer Utility for faster image preview, and Digital Photo Professional for high-speed processing, offer easier operability and handling of RAW images. With the inclusion of such accessories and a variety of EF lenses, Canon delivers total digital imaging solutions.

DVK-E2 Data Verification Kit (compatible with SD memory cards)
EF 70-300mm f/4.5-5.6 DO IS USM (from April 2004*)
EF 28-300mm f/3.5-5.6 L IS USM (from April 2004*)

*Scheduled date of availability

Major Specifications

Type	Digital AF/AE SLR	ISO speed range	Equivalent to ISO 100-1600 (in 1/3-stop increments), ISO speed can be expanded to ISO 50 and 3200
Type	Type I or II CF card, SD memory card	Exposure compensation	AEB: ±3 stops in 1/3-stop increments. Bracketing methods: 1. Shutter speed or aperture 2. ISO speed
Recording medium	28.7 x 19.1mm	AE lock	Manual: ±3 stops in 1/3-stop increments (can be combined with AEB) Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved. Manual: By AE lock button in all metering modes.
Image size	Canon EF lenses (except EF-S lenses) (35mm-equivalent focal length is equal to approx. 1.3 times the marked focal length.)		
Compatible lenses	Canon EF mount		
Lens mount			
Imaging Element		Shutter	
Type	High-sensitivity, high-resolution, large single-plate CMOS sensor	Type	Electronically-controlled, focal-plane shutter
Effective pixels	Approx. 8.20 megapixels	Shutter speeds	1/8000 to 30 sec. (1/3-stop increments), bulb, X-sync at 1/250 sec.
Total pixels	Approx. 8.50 megapixels	Shutter release	Soft-touch electromagnetic release
Aspect ratio	3:2	Self-timer	10-sec. or 2-sec. delay
Color filter system	RGB primary color filter	Remote control	Remote control with N3 type terminal
Low-pass filter	Located in front of the image sensor, non-removable		
Recording System		Flash	
Recording format	DCF 2.0 (Exif 2.21): JPEG and RAW	EOS-dedicated Speedlite	E-TTL II autoflash with EX-series Speedlite
Image format	JPEG, RAW (12bit)	PC terminal	Provided
RAW+JPEG simultaneous recording	Provided		
File size	(1) L (Large): Approx. 2.8 MB (3504 x 2336 pixels) (2) M1 (Medium1): Approx. 2.2 MB (3104 x 2072 pixels) (3) M1 (Medium2): Approx. 1.7 MB (2544 x 1696 pixels) (4) S (Small): Approx. 1.0 MB (1728 x 1152 pixels) (5) RAW: Approx. 8.3 MB (3504 x 2336 pixels) * JPEG quality: 8 * Exact file sizes depend on the JPEG quality, subject, ISO speed, etc.	Drive System	
		Drive modes	Single, low-speed continuous, high-speed continuous, self-timer
Folder setting	Folder creation/selection enabled	Continuous shooting speed	Low-speed continuous: Approx. 3 shots/sec. High-speed continuous: Approx. 8.5 shots/sec. JPEG: Approx. 40 shots (Large, JPEG 8) RAW: Approx. 20 shots
File numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset	Max. burst	
Processing parameters	Standard parameters plus up to three custom processing parameters can be set	LCD Monitor	
Color matrix	Five standard types plus two types that can be registered with color matrix	Type	TFT color liquid-crystal monitor
Backup image recording	Enabled (Same image recordable on CF card and SD memory card)	Monitor size	2.0 in.
Interface	IEEE1394 for personal computers USB for direct printing Video output (NTSC/PAL)	Pixels	Approx. 230,000
		Coverage	100% with respect to the effective pixels
White Balance		Brightness adjustment	Five levels provided
Settings	Auto, daylight, shade, cloudy, tungsten light, fluorescent light, flash, custom, color temperature setting, custom white balance (Total 10 settings)	Interface languages	12
Auto white balance compensation	Auto white balance with the image sensor	Image Playback	
Color temperature compensation	White balance bracketing: ±3 steps in full-step increments White balance correction: ±9 steps in full-step increments * Blue/amber bias or magenta/green bias possible	image display format	Single image, single image (INFO.), 4-image index, 9-image index, magnified zoom (approx. 1.5x - 10x), rotated image
		Highlight alert	In the single image and single image (INFO.) formats, any overexposed highlight areas will blink in the image display.
Viewfinder		Image Protection and Erase	
Type	Eye-level pentaprism	Protection	Erase protection of one image, all images in a folder, or all images in the memory card can be applied or canceled at one time.
Coverage	Approx. 100 percent vertically and horizontally with respect to the effective pixels	Erase	One image, all images in a folder, or all images in the memory card can be erased (except protected images) at one time.
Magnification	0.72x (1 diopter with 50mm lens at infinity)		
Eye point	20mm	Sound Recording	
Built-in diopter adjustment	-3.0 - +1.0 diopter	Recording method	The voice annotation recorded with the built-in microphone is attached to the image.
Focusing screen	Interchangeable (9 types), Standard focusing screen: Ec-C11	File format	WAV
Mirror	Quick-return half mirror (Transmission: reflection ratio of 37:63, no mirror cut-off with EF 1200mm f/5.6 or shorter lens)	Recording time	Max. 30 sec. per recording
Viewfinder information	AF information (AF points, focus confirmation light), exposure information (shutter speed, aperture, manual exposure, spot metering circle, ISO speed, exposure level, exposure warning), flash information (flash ready, FP flash, FE lock, flash exposure level), white balance correction, JPEG recording, number of remaining shots, memory card information	Direct Printing	
Depth-of-field preview	Enabled with depth-of-field preview button	Compatible printers	CP Direct, Direct Photo, and PictBridge-compatible printers
Eye-piece shutter	Built-in	Printable images	JPEG images (Print ordering enabled with DPOF version 1.1)
Autofocus		Customization	
Type	TTL-AREA-SIR with a CMOS sensor	Custom Functions	21 Custom Functions with 67 settings
AF points	45 AF points (Area AF)	Personal Functions	27
AF working range	EV 0-18 (at ISO 100 at 20°C/68°F)	Camera settings saving/reading	Possible
Focusing modes	One-Shot AF (ONE SHOT), AI Servo AF (AI SERVO), Manual focusing (MF)	Power Source	
AF point selection	Automatic selection, manual selection, home position (switch to registered AF point)	Battery	One Ni-MH pack NP-E3 * AC power can be supplied via the AC adapter and DC coupler.
Selected AF point display	Superimposed in viewfinder and indicated on LCD panel	Number of possible shots	At 20°C/68°F: Approx. 1200 At 0°C/32°F: Approx. 800 * The above figures apply when a fully-charged Ni-MH pack NP-E3 is used.
AF-assist beam	Emitted by the dedicated Speedlite	Battery check	Automatic
Exposure Control		Power saving	Provided. Power turns off after 1, 2, 4, 8, 15, or 30 min.
Metering modes	21-zone TTL full aperture metering (1) Evaluative metering (linkable to any AF point) (2) Partial metering (approx. 13.5% of viewfinder at center) (3) Spot metering • Center spot metering (approx. 3.8% of viewfinder at center) • AF point-linked spot metering (approx. 3.8% of viewfinder) • Multi-spot metering (Max. 8 spot metering entries) (4) Centerweighted averaged metering	Back-up battery	One CR2025 lithium battery
Metering range	EV 0-20 (at 20°C/68°F with 50mm f/1.4 lens, ISO 100)	Dimensions and Weight	
Exposure control systems	Program AE (shiftable), shutter-priority AE, aperture priority AE, E-TTL II autoflash, manual, flash metered manual	Dimensions	156 (W) x 157.6 (H) x 79.9 (D) mm / 6.1 x 6.2 x 3.1 in.
		Weight	1220g / 43 oz. (Body only. Battery: 335g/11.8 oz.)
		Working Conditions	
		Working temperature range	0°C - 45°C / 32°F - 113°F
		Working humidity	85% or less

* All the specifications above are based on Canon's testing standards.
* The camera's specifications and physical appearance are subject to change without notice.

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