

**Canon**

# EOS-1D

## DIGITAL

Digital Camera for Professionals



**The professional's dream of superior digital image quality and world-class performance in one camera is finally here —  
the new Canon EOS-1D**

**World's fastest digital SLR\*: 8 fps for up to 21 frames at 4.1 million pixel resolution**  
**Extra-large CCD and high-performance imaging engine for superb image quality**  
**Weather-resistant magnesium alloy body for superior strength and reliability**  
**Body style and control layout based on EOS-1v, including 45-point Area AF**  
**Fully compatible with EF lenses and many other EOS system accessories**  
**Supports all EX-series Speedlites and Canon's unique E-TTL wireless auto flash system**  
**High-speed IEEE 1394 interface and powerful new driver software for PC and Mac**

\* Among digital SLR cameras as of September 2001 (based on Canon survey)

# Fast and rugged, the EOS-1D is ideal for professional field photography.



- High-resolution 4.1 million pixel CCD imaging sensor, with new high-speed "imaging engine" for outstanding color and low digital noise.
- The fastest digital SLR in the world: 8 fps (for up to 21 frames) at full-resolution and highest quality JPEG setting.
- Top shutter speed of 1/16,000 sec., and 1/500 X-sync.
- 100% viewfinder coverage meeting professional needs with adjustable diopter and eyepiece shutter.
- 45-point Area AF for compositional freedom, and 21-zone metering.
- Captures both RAW and JPEG images simultaneously and records sequentially on the CF card.
- 10 white balance (WB) modes and WB bracketing functions, including setting kelvin values.
- ISO-speed settings from 200–1,600 in 1/3-steps, and Canon's exclusive new ISO-speed bracketing.
- Strength, durability and reliability designed-in: magnesium-alloy body with moisture-resistant seals at over 70 points, weather-sealed battery pack, and shutter durability-tested to 150,000 exposures.
- Shooting is prioritized – return to shooting even when displaying a recorded image.
- Entirely new EOS-1D software with powerful new tools for image control and customization of the camera: compatible with Windows® and Macintosh® computers.
- Compatible with CompactFlash® cards, Type I and Type II, including compatible Microdrives.™
- High-speed 400mbps IEEE 1394 connection to compatible Windows® and Macintosh® computers.

## Major Specifications

<p>■ <b>Type</b> Type Recording medium Sensor size Compatible lenses</p> <p>■ <b>Imaging Element</b> Type Pixels Aspect ratio Color filter system Low-pass filter</p> <p>■ <b>Recording System</b> Recording format Image format RAW+JPEG File size Folders File numbering Processing parameters Interface</p> <p>■ <b>White Balance</b> Settings Auto white balance Personal white balance Color temperature compensation</p> <p>■ <b>Color Matrix</b> Type</p> <p>■ <b>Viewfinder</b> Type Coverage Magnification Eyepoint Built-in diopter correction Focusing screen Mirror</p>	<p>Digital AF/AE SLR Type I or II CF card 28.7 x 19.1 mm (1.13 x 0.75 in) Canon EF lenses (focal length conversion factor is approximately 1.3x) Canon EF mount</p> <p>High-sensitivity, high-resolution, large single-plate CCD sensor Effective pixels: Approx. 4.15 megapixels (2,496x1,662) Total pixels: Approx. 4.48 megapixels (2,664x1,681) 3:2 RGB primary color filter Located in front of the CCD sensor, non-removable</p> <p>Design rule for Camera File system (JPEG) and RAW JPEG (24 bit true color, 8 bits/RGB color) RAW (12 bit) Simultaneous image capture provided; recorded sequentially (1) Large/Fine: Approx. 2.4 MB (2,464x1,648 pixels) (2) Large/Normal: Approx. 1.3 MB (2,464x1,648 pixels) (3) Small/Fine: Approx. 1.1 MB (1,232x824 pixels) (4) RAW: Approx. 4.8 MB (2,496x1,662 pixels) * Exact file sizes depend on the subject and ISO speed. Folder creation and selection enabled (1) Consecutive numbering (2) Auto reset (3) Manual reset Standard parameters plus up to three custom processing parameters can be set IEEE 1394 (with dedicated cable)</p> <p>Auto, daylight, shade, overcast, tungsten light, fluorescent light, flash, custom, color temperature setting, personal white balance (Total 10 settings) Hybrid auto white balance with the CCD sensor and a dedicated, external WB sensor Up to three personal white balance settings can be registered White balance bracketing: +/- up to 3 steps; each step equals a Mired value of 5</p> <p>Two types of color space, sRGB and Adobe 1998 RGB. Four color saturation options in sRGB. Five total Color Matrix settings</p> <p>Glass pentaprism Approx. 100% vertically and horizontally with respect to the effective pixels 0.72x (-1 diopter with 50mm lens at infinity) 20 mm -3.0 – +1.0 diopter Interchangeable (9 types), Standard focusing screen: Ec-CIII Quick-return half mirror (Transmission: reflection ratio of 37:63; no mirror cut-off with lenses up to 1200mm)</p>	<p>Viewfinder information Depth-of-field preview Eyepiece shutter</p> <p>■ <b>Autofocus</b> Type AF points AF working range Focusing modes Manual focusing (MF) AF point selection Selected AF point display AF-assist beam</p> <p>■ <b>Exposure Control</b> Metering modes Metering range Exposure control systems ISO speed range Exposure compensation AE lock</p> <p>■ <b>Shutter</b> Type Shutter speeds Shutter release Noise reduction for long exposures Self-timer Remote control</p> <p>■ <b>Flash</b> EOS-dedicated Speedlite PC terminal</p> <p>■ <b>Drive System</b> Drive modes Continuous shooting</p>	<p>AF information (AF points, focus confirmation light), exposure information (shutter speed, aperture, manual exposure, metering range, ISO speed, exposure level, exposure warning), flash information (flash ready, FP flash, FE lock, flash exposure level), JPEG format, number of remaining shots, CF card information</p> <p>Enabled with depth-of-field preview button Built-in</p> <p>TTL-AREA-SIR with Area AF CMOS sensor 45 AF points (Area AF) EV 0-18 (at ISO 100) One-Shot AF AI Servo AF</p> <p>Automatic selection, manual selection, home position (switch to registered AF point) Superimposed in viewfinder and indicated on top LCD panel AF-assist beam is emitted by the dedicated Speedlite.</p> <p>TTL full aperture metering with 21-zone SPC (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 average metering EV 0-20 (at 68°F/20°C, with 50mm f/1.4 lens, ISO 100) Program AE (shiftable), shutter-priority AE, aperture-priority AE, depth-of-field AE, E-TTL flash AE, manual, flash metered manual Equivalent to ISO 200-1,600 (in 1/3-stop increments); expandable to 100-3,200 Auto exposure bracketing (AEB): +/-3 stops in 1/3-stop increments. Bracketing methods: 1. Shutter speed or aperture 2. ISO speed User-set: +/-3 stops in 1/3-stop increments (can be combined with AEB) Auto: Operates in One-Shot AF mode with evaluative metering when focus is achieved. User-set: By pressing AE lock button in all metering modes.</p> <p>Electronic shutter with the CCD sensor and vertical-travel, focal-plane shutter with all speeds electronically-controlled 1/16,000 to 30 sec. (1/3-stop increments), plus bulb; X-sync at 1/500 sec. Soft-touch electromagnetic release Operates at 1/15 sec. or slower shutter speeds (including bulb) 10-sec. or 2-sec. delay. Remote control with N3 type contact</p> <p>E-TTL autoflash with EX series Speedlite Provided</p> <p>Single frame, high-speed continuous, low-speed continuous shooting High-speed continuous: Approx. 8 fps, Low-speed continuous: Approx. 3 fps</p>	<p>Max. burst during continuous shooting</p> <p>■ <b>LCD Monitor</b> Type Monitor size Pixels Coverage Brightness control</p> <p>■ <b>Image Playback</b> Image display format Highlight alert</p> <p>■ <b>Image Protection and Erase</b> Protection Erase</p> <p>■ <b>Sound Recording</b> Recording method File format Recording time</p> <p>■ <b>Menus</b> Menu categories LCD monitor language Firmware update</p> <p>■ <b>Customizing Function</b> Custom Functions Personal Functions</p> <p>■ <b>Power Source</b> Battery Number of shots Battery check Power saving Back-up battery</p> <p>■ <b>Dimensions and Weight</b> Dimensions (W x H x D) Weight</p> <p>■ <b>Working Conditions</b> Working temp. range Working humidity</p>	<p>Up to 21 shots in Large/Fine, Large/Normal, and Small/Fine modes 16 shots in RAW, RAW+Large/Fine, RAW+Large/Normal, RAW+Small/Fine modes. The maximum shots per burst depends on the subject, shooting mode, and ISO speed.</p> <p>TFT color LCD monitor 2.0 inches Approx. 120,000 100% with respect to the effective pixels Adjustable to one of five levels</p> <p>(1) Single image with information (2) Single image (3) Four-image index (4) Nine-image index In display formats 1 and 2 above, any overexposed highlight areas will blink in the image display.</p> <p>Erase protection of one image, all images in a folder, or all images in the CF card can be applied or canceled at one time. One image, all images in a folder, or all images in the CF card can be erased (except protected images) at one time.</p> <p>The voice narration recorded with the built-in microphone is attached to the image. WAV Max. 30 sec. per recording</p> <p>(1) Recording menu (2) Playback menu (3) Setup menu (4) Custom/Personal Functions menu Japanese, English, French, German, Spanish Update possible by the user</p> <p>21 Custom Functions with 67 settings 25</p> <p>One Ni-MH Pack NP-E3 / AC power can be supplied via the AC Adapter and DC coupler DC-E1 At 68°F/20°C: Approx. 500, At 32°F/0°C: Approx. 350 The above figures apply when a fully-charged Ni-MH Pack NP-E3 is used. Automatic Provided. Power turns off after 1, 2, 4, 8, 15, or 30 min. One CR2025 lithium battery</p> <p>6.1 x 6.2 x 3.1 in. / 156 x 157.6 x 79.9 mm 44.1 oz./1,250 g (body only, battery: 11.8 oz./ 335 g)</p> <p>32 – 113°F / 0 – 45°C 85% or lower</p>
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All the specifications above are based on Canon's testing and measuring standards. The camera's specifications and physical appearance are subject to change without notice.

# Canon

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