

II. SUMMARY OF NEW AND IMPROVED FEATURES

- Larger, 2.5 inch LCD/TFT screen with wide viewing angle
- More burst frames: 22 RAW (from 20), big increase in small JPEG burst
- Improved image processing sequence
- Startup time 0.2 sec (from 0.3 sec)
- Estimated selling price of US \$3,999² (\$500 less than EOS-1D Mark II at introduction)
- New Picture Style settings, easier than Parameters, 6 pre-set, 3 user-defined
- Enhanced recording functions to 2 card slots: split recording CF/SD
- New, simple memory card switching function, CF/SD
- Low-level, physical formatting of SD cards, faster and more secure
- Magnified view from any selected AF point on playback
- Magnified view during Quick Review
- Improved image quality in Magnified view
- Last displayed image is remembered
- More complete info display includes file sizes, monochrome and R/G/B indicators
- Automatic new folder creation
- User-settable file names- first 4 characters
- More settings for Custom Functions and Personal Functions
- New access to menu options during image processing and recording
- Contact sheets, Exif printing info, Face Brightener function, new paper sizes with PictBridge
- New optional Ec-S focusing screen for more accurate manual focusing
- Automatic noise reduction menu option for long exposures
- ISO adjustable while looking in the finder
- Enhanced range of settings for burst frames
- New IEEE1394 locking cap
- Canon logo now with sunken lettering and fill-in paint
- Key features of the EOS-1D Mark II retained
- Complete EOS system compatibility
- Magnesium alloy body and stainless steel chassis create a rugged camera with a solid, high quality, professional feel.
- New software package, included at no extra cost, includes Canon's new Digital Photo Professional, ZoomBrowser EX, ImageBrowser and EOS Capture.
- Accessory Data Verification Kit, DVK-E2, permits verification of original, untampered image data.

²Actual price set by dealers and may vary.

IV. SPECIFICATIONS

Camera Type **Type:** Digital AF/AE SLR
Recording Medium: Type I or II CF card, SD memory card
Image Size: 28.7 x 19.1mm
Compatible Lenses: Canon EF lenses (except EF-S lens)
(35mm-equivalent focal length is equal to approx. 1.3 times the marked focal length.)
Lens mount: Canon EF mount

Imaging Element **Type:** High-sensitivity, high-resolution, large single-plate CMOS sensor
Effective Pixels: Approx. 8.20 megapixels
Total Pixels: Approx. 8.50 megapixels
Aspect Ratio: 3:2 (Vertical:Horizontal)
Color Filter System: RGB primary color filter
Low-pass Filter: Located in front of the image sensor, non-removable

Recording System **Recording Formats:** DCF 2.0 (Exif 2.21): JPEG and RAW
Image Formats: JPEG, RAW (12bit)
RAW+JPEG simultaneous recording: Provided
File size: (1) L (Large): Approx. 3.2MB (3,504 x 2,336 pixels) (2) M1 (Medium1): Approx. 2.6MB (3,104 x 2,072 pixels) (3) M2 (Medium2): Approx. 1.9MB (2,544 x 1,696 pixels) (4) S (Small): Approx. 1.1MB (1,728 x 1,152 pixels) (5) RAW: Approx. 7.9MB (3,504 x 2,336 pixels)* JPEG quality: 8* Exact file sizes depend on the JPEG quality, subject, ISO speed, etc.
Folder setting: Folder creation/selection enabled
File numbering: (1) Consecutive numbering (2) Auto reset (3) Manual reset
Processing parameters/ Color matrix: Incorporated in Picture Style (6 standard + 2 custom)
Backup image recording: Enabled (Same image recordable on CF card and SD memory card can simultaneously record JPEG & RAW split between two cards.)
Interfaces: IEEE1394 for personal computers, USB for direct printing, Video output (NTSC/PAL), N3 remote control socket and PC terminal for non-dedicated flash units

White Balance **Settings:** Auto, Daylight, Shade, Cloudy, Tungsten light, Fluorescent light, Flash, Color temperature setting, Custom, PC-1 to PC-3 (Total 10 settings)
Auto white balance: Auto white balance with the image sensor
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

Viewfinder **Type:** Eye-level pentaprism
Coverage: Approx. 100 percent vertically and horizontally with respect to the effective pixels
Magnification: 0.72x (-1 diopter with 50mm lens at infinity)
Eyepoint: 20mm
Built-in dioptic adjustment: -3.0 – +1.0 diopter
Focusing screen: Interchangeable (11 types), Standard focusing screen: Ec-CIII
Mirror: Quick-return half mirror (Transmission:reflection ratio of 37:63, no mirror cut-off with EF 1200mm f/5.6 or shorter lens)
Viewfinder information: AF information (AF points, focus confirmation light), exposure information (shutter speed, aperture, manual exposure, spot metering circle, ISO speed, exposure level), flash information (flash ready, FP flash, FE lock, flash exposure level), white balance compensation, JPEG recording, number of remaining shots, memory card information
Depth-of-field preview: Enabled with depth-of-field preview button
Eyepiece shutter: Built-in

Autofocus **Type:** TTL-AREA-SIR with a CMOS sensor
AF points: 45 AF points (Area AF)
AF working range: EV 0-18 (at ISO 100 at 68°F/20°C)
Focusing modes: One-Shot AF (ONE SHOT), AI Servo AF (AI SERVO), Manual focusing (MF)
AF point selection: Automatic selection, manual selection, home position (switch to registered AF point)
Selected AF point display: Superimposed in viewfinder and indicated on LCD panel
AF-assist beam: Emitted by the dedicated Speedlite

Exposure Control **Metering modes:** 21-zone TTL full aperture metering (1) Evaluative metering (linkable to any AF point) (2) Partial metering (approx. 13.5% of screen) (3) Spot metering • Center spot metering (approx. 3.8% of screen) • AF point-linked spot metering • Multi-spot metering (Max. 8 spot metering entries) (4) Center-weighted average metering
Metering range: EV 0-20 (at 68°F/20°C with 50mm f/1.4 lens, ISO 100)
Exposure control systems: Program AE (shiftable), shutter-priority AE, aperture priority AE, E-TTL II autoflash, manual, flash metered manual, bulb
ISO speed range : Equivalent to ISO 100-1600.
Can be expanded to ISO 50 and 3200 with menu.
Exposure compensation: AEB: ±3 stops in 1/3-stop increments. Bracketing methods:
1. Shutter speed and aperture 2. ISO speed; Manual: ±3 stops in 1/3-stop or 1/2-stop increments
AE lock: Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved. Manual: By AE lock button in all metering modes.

Shutter **Type:** Electronically-controlled, focal-plane shutter
Shutter speeds: 1/8000 to 30 sec. (1/3-stop increments), bulb, X-sync at 1/250 sec.
Shutter release: Soft-touch electromagnetic release
Self-timer: 10-sec. or 2-sec. delay
Remote control: Remote control with N3 type terminal
Self-Timer: 10-sec. delay
Remote Control: Remote Control with Remote Switch RS-80N3, Timer Remote Controller TC-80N3 or Wireless Controller LC-4

Flash E-TTL II autoflash with EX-series Speedlite

Drive System **Drive modes:** Single, low-speed continuous, high-speed continuous, self-timer
Continuous shooting speed: Low-speed continuous: Approx. 3 shots/sec.; High-speed continuous: Approx. 8.5 shots/sec.
Max. burst: JPEG: Approx. 48 frames (Large, JPEG 8) RAW: Approx. 22 frames; RAW+JPEG: Approx. 19 frames

LCD Monitor **Type:** TFT color liquid-crystal monitor
Monitor size: 2.5 in.
Pixels: Approx. 230,000
Coverage: 100% with respect to the effective pixels
Brightness adjustment: Five levels provided
Interface languages: 15

Image Playback **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.

Image Protection and Erase **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.
Erase: One image, all images in a folder, or all images in the memory card can be erased (except protected images) at one time.

Sound Recording **Recording method:** The voice annotation recorded with the built-in microphone is attached to the image.
File format: WAV
Recording time: Max. 30 sec. per recording

Direct Printing	<p>Compatible printers: CP Direct, Direct Photo, and PictBridge-compatible printers</p> <p>Printable images: JPEG images (Print ordering enabled with DPOF version 1.1)</p>
Customization	<p>Custom Functions: 21 Custom Functions with 67 settings</p> <p>Picture Style: 5 adjustable preset modes, 3 custom modes plus monochrome</p> <p>Personal Functions: 27</p> <p>Camera settings saving/reading: Possible</p>
Power Source	<p>Battery: One NiMH Pack NP-E3 * AC power can be supplied via the AC adapter and DC coupler.</p> <p>Shooting Capacity: At 68°F/20°C: Approx. 1200 At 32°F/0°C: Approx. 800 * The above figures apply when a fully-charged Ni-MH Pack NP-E3 is used.</p> <p>Battery check: Automatic</p> <p>Power saving: Provided. Power turns off after 1, 2, 4, 8, 15, or 30 min.</p> <p>Back-up battery: One CR2025 lithium battery</p>
Dimensions and Weight	<p>Dimensions: 6.1 x 6.2 x 3.1 in./156 (W) x 157.6 (H) x 79.9 (D) mm</p> <p>Weight: 43.2 oz./ 1,225g (Body only)</p>
Working Conditions	<p>Working temperature range: 32°F - 113°F/ 0°C- 45°C</p> <p>Working humidity: 85% or less</p>

- All the specifications above are based on Canon's testing and measuring standards. Shooting capacity specifications comply with CIPA standards.
- The camera's specifications and physical appearance are subject to change without notice.

Microsoft® and Windows® are registered trademarks or trademarks of Microsoft Corporation in the United States and / or other countries, Macintosh® is a registered trademark or trademark of Apple Computer Inc. in the United States and / or other countries. CompactFlash™ is a trademark of SanDisk Corporation. Microdrive™ is a trademark of IBM Corporation. Adobe Photoshop is a registered trademark of Adobe Systems Incorporated and its subsidiaries in each country. The other product and brand names appearing in this brochure are trademarks or registered trademarks of their respective owners. TFT monitor images shown in this brochure are simulated.