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EOS-1D X Specifications [new]

Product Specification

IMAGE SENSOR

Type	36 x 24 mm CMOS
Effective Pixels	Approx. 18.10 megapixels
Total Pixels	Approx. 19.3 megapixels
Aspect Ratio	'3.2
Low-Pass Filter	Built-in/Fixed with fluorine coating
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour

IMAGE PROCESSOR

Type	Dual "DIGIC 5+"

LENS

Lens Mount	EF (excludes EF-S lenses)
Focal Length	Equivalent to 1.0x the focal length of the lens

FOCUSING

Type	TTL-CT-SIR with a dedicated CMOS sensor
AF System/ Points	61 Point / 41 f/4 cross-type AF points inc 5 dual cross type at f/2.8 The number of cross-type AF points will differ depending on the lens.
AF Working Range	EV -2 - 18 (at 23°C & ISO100)
AF Modes	One Shot AI Servo
AF Point Selection	Automatic selection: 61 point AF Manual selection: Single point AF (61, 41 cross type only, 15 or 9 points selectable) Manual selection: Spot AF Manual selection: AF point Expansion 4 points (up, down, left, right) Manual selection: AF point Expansion surrounding 8 points Manual selection: Zone AF AF points can be selected separately for vertical and horizontal shooting
Selected AF Point Display	Superimposed in viewfinder
Predictive AF	Yes, up to 8m
AF Lock	Locked when shutter button is pressed half way in One Shot AF mode or AF-ON button is pressed.
AF Assist Beam	Emitted by optional dedicated Speedlite
Manual Focus	Selected on lens, default in Live View Mode
AF Microadjustment	AF Menu +/- 20 steps (wide and tele setting for Zooms) Adjust all lenses by same amount Adjust up to 40 lenses individually Adjustments remembered for lens by serial number

EXPOSURE CONTROL

Metering Modes	TTL full aperture metering with 252 zone from 100,000-pixel RGB AE sensor (1) Evaluative metering (linked to all AF point) (2) Partial metering (3) Spot metering: Center spot metering AF point-linked spot metering Multi/Spot metering (Max 8 spot metering entries) (4) Center weighted average metering
Metering Range	EV 0 - 20 (at 23°C with 50mm f/1.4 lens ISO100)
AE Lock	Auto: In One-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock button in P, TV and AV modes.
Exposure Compensation	'+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
AEB	2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments
ISO Sensitivity*	Auto (100-51200), 100-51200 (in 1/3-stop or whole stop increments) ISO can be expanded to L: 50, H1 102400, H2 204800

SHUTTER

Type	Electronically-controlled focal-plane shutter
Speed	30-1/8000 sec (1/2 or 1/3 stop increments) + Bulb (Shutter speed range available varies according to shooting mode)

WHITE BALANCE

Accessories ▶

Support & Downloads ▶

Downloads
Brochures
Drivers

Related Products
EF Lenses
L-series lenses

EOS-1D X

Type	Auto white balance with the imaging sensor
Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom, Colour Temperature Setting. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9.
Custom White Balance	Yes, 5 setting can be registered
WB Bracketing	'+/-3 levels in single level increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.

VIEWFINDER

Type	Pentaprism
Coverage (Vertical/Horizontal)	Approx. 100%
Magnification	Approx. 0.76x[1]
Eyepoint	Approx. 20mm (from eyepiece lens centre)
Dioptre Correction	'-3 to +1 m-1 (dioptre)
Focusing Screen	Interchangeable (12 types, optional). Standard Focusing Screen Ec-CV
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 or shorter)
Viewfinder Information	AF information: AF points, focus confirmation light, AF status indicator Exposure information: Metering mode, shooting mode, AE lock, shutter speed, aperture, exposure compensation, ISO speed (always displayed), exposure level, exposure warning Flash information: Flash ready, FP flash, FE lock, flash exposure level Image information: White balance correction, highlight-tone priority (D+), maximum burst (2-digit display), CF card information, JPEG/RAW indicator, battery check icon. Composition information Grid, electronic level
Depth of Field Preview	Yes, with Depth of Field preview button.
Eyepiece Shutter	Built in

LCD MONITOR

Type	8.11cm (3.2") Clear View II TFT, approx. 1040K dots
Coverage	Approx. 100%
Viewing Angle (Horizontally/Vertically)	Approx. 170°
Coating	Anti-reflection and Solid Structure
Brightness Adjustment	Adjustable to one of seven levels
Display Options	(1) Quick Control Screen (2) Camera settings (3) Dual Axis Electronic Level

FLASH

Modes	E-TTL II Auto Flash, Metered Manual
X-Sync	1/250sec (EX series Speedlites only)
Flash Exposure Compensation	'+/- 3EV in 1/2 or 1/3 increments
Flash Exposure Bracketing	Yes, with compatible External Flash
Flash Exposure Lock	Yes
Second Curtain Synchronisation	Yes
HotShoe/ PC Terminal	Yes/ Yes
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support
External Flash Control	via camera menu screen

SHOOTING

Modes	Program AE, Shutter priority AE, Aperture priority AE, Manual
Picture Styles	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3)
Colour Space	sRGB and Adobe RGB
Image Processing	Highlight Tone Priority Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings) Auto Correction of Lens Peripheral illumination Chromatic aberration correction Distortion correction Resize to M1, M2 or S RAW image processing - during image Playback only Multiple exposure
Drive Modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s+remote), Silent single shooting
	Max. Approx. 12fps. (speed maintained for up to TBA images

Continuous Shooting	(JPEG) or TBA images (RAW) (with UDMA card)[1][2][3], 14fps with mirror locked up and exposure and AF locked on first frame

LIVE VIEW MODE

Type	Electronic viewfinder with image sensor
Coverage	Approx. 100% (horizontally and vertically)
Frame Rate	30 fps
Focusing	Manual Focus (Magnify the image 5x or 10x at any point on screen) Autofocus: Quick mode, Live mode, Live Face detection mode
Metering	Real-time evaluative metering with image sensor Active metering time can be changed
Display Options	Grid overlay (x3), Histogram, Aspect ratios

FILE TYPE

Still Image Type	JPEG: 10 compression options (Exif 2.3 compliant) / Design rule for Camera File system (2.0), RAW: RAW, sRAW (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant
RAW+JPEG Simultaneous Recording	Yes, any combination of RAW + JPEG possible, separate formats to separate cards possible
Image Size	JPEG: (L) 5184x3456, (M1) 4608x3072, (M2) 3456x2304, (S1) 2592x1728, RAW: (RAW) 5184x3456 (M-RAW) 3888x2592, (S-RAW)2592x1728
Movie Type	MOV (Video: H.264 Intra frame / inter frame, Sound: Linear PCM)
Movie Size	1920 x 1080 (29.97, 25, 23.976 fps) intra or inter frame 1280 x 720 (59.94, 50 fps) intra or inter frame 640 x 480 (59.94, 50 fps) inter frame
Movie Length	Max duration 29min 59sec, Max single file size 4GB
Sound Files	WAVE (monaural)
Folders	New folders can be manually created and selected
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES

Custom Functions	31 Custom Functions with 99 settings
Metadata Tag	User copyright information (can be set in camera)
LCD Panel / Illumination	Yes / Yes
Water/ Dust Resistance	Yes
Sound Memo	Up to 30sec per image - 48Khz or 8Khz
Intelligent Orientation Sensor	Yes
Playback Zoom	1.5x - 10x, Pixel level magnification
Display Formats	(1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) Magnified view (6) Movie edit
Slide Show	Image selection: All images, by Date, by Folder, Movies, Stills, Rating Playback time: 1/2/3/5/10 or 20 seconds Repeat: On/Off
Histogram	Brightness: Yes RGB: Yes
Highlight Alert	Yes
Image Erase/Protection	Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time
Data Verification	data not available
Menu Categories	(1) Shooting menu (x4) (2) AF Menu (x5) (3) Playback menu (x3) (4) Setup menu (x4) (5) Custom Functions menu (x7) (6) My Menu
Menu Languages	25 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese
Firmware Update	Update possible by the user.

INTERFACE

INTERFACE

Computer	Hi-Speed USB
Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), Extension system terminal (for WFT-E6/GP-E1), External microphone (Stereo mini jack), RJ-45(gigabyte ethernet)

DIRECT PRINT

Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
PictBridge	Yes

STORAGE

Type	2x CompactFlash Type I/II (incompatible with Microdrive) (UDMA 7 compatible)

SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows XP (SP2/SP3) / Vista inc SP1 (excl. Starter Edition) / 7 (excl. Starter Edition) OS X v10.4-10.6

SOFTWARE

Browsing & Printing	ZoomBrowser EX / ImageBrowser
Image Processing	Digital Photo Professional
Other	PhotoStitch, EOS Utility (inc. Remote Capture, WFT utility*), Picture Style Editor * Requires optional accessory

POWER SOURCE

Batteries	Rechargeable Li-ion Battery LP-E4N (supplied), 1xCR2025 for date & settings
Battery Life	Approx. TBA (at 23°C)□ Approx. TBA (at 0°C)
Battery Indicator	6 levels + percentage
Power Saving	Power turns off after 1, 2, 4, 8, 15, 30mins or Off.
Power Supply & Battery Chargers	AC Adapter Kit ACK-E4, Battery charger LC-E4N, Car Battery charger cable CG-570 (use with LC-E4N)

PHYSICAL SPECIFICATIONS

Body Materials	Magnesium Alloy body covers
Operating Environment	0 – 45 °C, 85% or less humidity
Dimensions (WxHxD)	158 x 163.6x 82.7mm
Weight (Body Only)	Approx. TBA

ACCESSORIES

Viewfinder	Eyecup Eg, Eg-series Dioptric Adjustment Lens with Rubber Frame Eg, Anti Fog Eyepiece Eg, Focusing Screens Ec, Angle Finder C
Wireless File Transmitter	Wireless File Transmitter WFT-E6
Lenses	All EF lenses (excludes EF-S lenses)
Flash	Canon Speedlites (220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2,)
Remote Controller/ Switch	Remote control with N3 type contact, Wireless Controller LC-5
Other	Hand Strap E2, GP-E1 GPS reciever

Magnification	[1] with 50mm lens at infinity, -1m-1 dpt
Continuous Shooting	[1] Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style. Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc. [2] Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level [3] With Battery strength 50% or higher
Battery Life	[1] Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated

*Recommended Exposure Index

All data is based on Canon standard testing methods except where indicated.

Subject to change without notice.