

## Specifications for canon digital slr cameras eos-1dx



### Technical Details

<b>Type</b>	
Type	Digital, single-lens reflex, AF/AE camera
Recording media	Type I or II CF card, UDMA mode 7-compatible * Dual CF card slots
Image sensor size	Approx. 36 x 24mm
Compatible lenses	Canon EF lenses (except EF-S lenses) (35 mm-equivalent lens focal length will be as indicated on the lens)
Lens mount	Canon EF mount
<b>Image Sensor</b>	
Type	CMOS sensor
Effective pixels	Approx. 18.10 megapixels
Aspect ratio	3:2
Dust delete feature	Auto, manual, dust delete data appending
<b>Recording System</b>	
Recording format	Design rule for Camera File System 2.0
Image type	JPEG, RAW (14-bit Canon original), RAW+JPEG

	simultaneous recording enabled	
Recorded pixels	L (Large)	Approx. 17.90 megapixels (5184 x 3456)
	M1 (Medium1)	Approx. 14.20 megapixels (4608 x 3072)
	M2 (Medium2)	Approx. 8.00 megapixels (3456 x 2304)
	S (Small)	Approx. 4.50 megapixels (2592 x 1728)
	RAW	Approx. 17.90 megapixels (5184 x 3456)
	M-RAW	Approx. 10.10 megapixels (3888 x 2592)
	S-RAW	Approx. 4.50 megapixels (2592 x 1728)
JPEG quality	10 levels	
Recording function	Standard, Auto switch card, Record separately, Record to multiple	
Create / select a folder	Possible	
File name	Preset code, User setting 1, User setting 2	
File numbering	Continuous, Auto reset, Manual reset	
<b>Image Processing During Shooting</b>		
Picture Style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1 - 3	
White balance	Auto, Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom, Color temperature setting (Approx. 2500-10000K), Personal white balance (5 settings), White balance correction and White balance bracketing possible * Flash color temperature information transmission enabled	
Noise reduction	Applicable to long exposures and high ISO speed shots	
Automatic image brightness correction	Auto lighting optimizer	
Highlight tone priority	Provided	
Lens aberration correction	Peripheral illumination correction, chromatic aberration correction	
<b>Viewfinder</b>		
Type	Eye-level pentaprism	
Coverage	Vertical / horizontal approx. 100% (with eye point approx. 20mm)	
Magnification	Approx. 0.76x (-1m <sup>-1</sup> with 50mm lens at infinity)	

Eyepoint	Approx. 20mm (from eyepiece lens center at $-1\text{m}^{-1}$ )	
Built-in dioptic adjustment	Approx. $-3.0 - +1.0\text{m}^{-1}$ (dpt)	
Eyepiece shutter	Built-in	
Focusing screen	Ec-C V provided, interchangeable	
AF status indicator	Provided	
Grid display	Provided	
Electronic level	Horizontal:	$1^\circ$ increments, $\pm 6^\circ$
	Vertical:	$1^\circ$ increments, $\pm 4^\circ$
	* During horizontal shooting	
Mirror	Quick-return type	
Depth-of-field preview	Provided	
<b>Autofocus</b>		
Type	TTL secondary image-registration, phase detection	
AF points	61 points (Up to 41 cross-type points) * Number of available AF points and cross-type points vary depending on the lens.	
Focusing brightness range	EV -2 – 18 (with center f/2.8 AF point, at $23^\circ\text{C} / 73^\circ\text{F}$ , ISO 100)	
Focus modes	One-Shot AF, AI Servo AF, Manual focusing (MF)	
AF area selection modes	Single-point Spot AF (manual selection), Single-point AF (manual selection), AF point expansion (manual selection; up, down, left and right), AF point expansion (manual selection; surround), Zone AF (manual selection), Auto selection of 61 AF points	
AF point automatic selection conditions	Depending on EOS iTR AF setting (AF using color and face detection information possible) *iTR: Intelligent Tracking and Recognition	
AF Configuration tool	Case 1 - 6	
AI Servo characteristics	Tracking sensitivity, Acceleration / deceleration tracking, AF point auto switching	
AF fine adjustment	AF Microadjustment (All lenses by same amount or Adjust by lens)	
AF-assist beam	Emitted by the EOS-dedicated external Speedlite	
<b>Exposure Control</b>		
Metering modes	Approx. 100,000-pixel RGB metering sensor and 252-zone TTL metering at max. aperture	

	EOS iSA (Intelligent Subject Analysis) system	
	<ul style="list-style-type: none"> <li>• Evaluative metering (linked to all AF points)</li> <li>• Center-weighted average metering</li> </ul>	
Metering Range	EV 0 - 20 (at 23°C / 73°F with EF50mm f/1.4 USM lens, ISO 100)	
Exposure control	Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure	
ISO speed (recommended exposure index)	Auto ISO, manually settable within ISO 100 – 51200 (1/3-stop or whole-stop increments) and expandable to L (ISO 50), H1 (ISO 102400), H2 (ISO 204800)	
ISO speed settings	ISO speed range, Auto ISO range and Auto ISO minimum shutter speed settable	
Exposure compensation	Manual	±5 stops in 1/3- or 1/2-stop increments
	AEB	±3 stops in 1/3- or 1/2-stop increments (Can be combined with manual exposure compensation)
AE lock	Auto	Applied in One-Shot AF mode with evaluative metering when focus is achieved
	Manual	By AE lock button
Standard exposure level adjustment	AE microadjustment possible	
<b>Multiple Exposures</b>		
Shooting method	Function / control priority, continuous shooting priority	
Number of multiple exposures	2 to 9 exposures	
Multiple-exposure control	Additive, average, bright, dark	
<b>Shutter</b>		
Type	Electronically-controlled, focal-plane shutter	
Shutter Durability*	400,000 cycles	
Shutter Speeds	1/8000sec. to 30secs., bulb (Total shutter speed range. Available range varies by shooting mode.), X-sync at 1/250 sec.	
<b>Drive System</b>		
Drive modes	Single, High-speed continuous, Low-speed continuous, 10-sec. self-timer, 2-sec. self-timer, Silent single shooting, Super high-speed continuous	
Continuous shooting speed	Super high-speed	Max. approx. 14 shots/sec.

	continuous shooting:	
	High-speed continuous shooting:	Max. approx. 12 shots/sec.
	Low-speed continuous shooting:	Max. approx. 3 shots/sec.
	* When the ISO speed is set to 32000 or higher, the maximum continuous shooting speed will be approx. 10fps.	
<b>External Speedlite</b>		
Compatible Speedlites	EX-series Speedlites	
Flash metering	E-TTL II autoflash	
Flash exposure compensation	±3 stops in 1/3- or 1/2-stop increments	
FE lock	Provided	
PC terminal	Provided	
Standard flash exposure level adjustment	FE Microadjustment possible	
External Speedlite control	Provided	
<b>Live View Shooting</b>		
Shooting modes	Live mode, face detection live mode (contrast detection), quick mode (phase-difference detection), manual focusing (approx. 5x / 10x magnification possible)	
Focusing brightness range	EV 1 - 20 (with contrast detection, at 23°C / 73°F, ISO 100)	
Metering modes	Evaluative metering with the image sensor	
Metering range	EV 0 - 20 (at 23°C / 73°F with EF50mm f/1.4 USM lens, ISO 100)	
Silent shooting	Provided (Mode 1 and 2)	
Grid display	Three types	
<b>Movie Shooting</b>		
Movie recording compression	MPEG-4 AVC / H.264 Variable (average) bit rate	
Audio recording format	Linear PCM	
Recording format	MOV	
Recording size and frame rate	1920 x 1080 (Full HD):	30p / 25p / 24p

	1280 x 720 (HD):	60p / 50p
	640 x 480 (SD):	30p / 25p
	30p: 29.97fps, 25p: 25.00fps, 24p: 23.976fps, *60p: 59.94fps, 50p: 50.00fps	
Compression method	ALL-I (I-only), IPB	
File size	1920 x 1080 (30p / 25p / 24p) / IPB	Approx. 235MB/min.
	1920 x 1080 (30p / 25p / 24p) / ALL-I	Approx. 685MB/min.
	1280 x 720 (60p / 50p) / IPB	Approx. 205MB/min.
	1280 x 720 (60p / 50p) / ALL-I	Approx. 610MB/min.
	640 x 480 (30p / 25p) / IPB	Approx. 45MB/min.
	* Card reading / writing speed necessary for movie shooting: IPB: at least 10MB per sec. /ALL-I: at least 30MB per sec.	
Focus modes	Same as focusing with Live View shooting	
Metering modes	Center-weighted average and Evaluative metering with the image sensor * Automatically set by the focus mode.	
Metering range	EV 0 - 20 (at 23°C / 73°F with EF50mm f/1.4 USM lens, ISO 100)	
Exposure control	1. Autoexposure 2. Shutter-priority AE 3. Aperture-priority AE 4. Manual exposure * With 1, 2 and 3, exposure compensation and AE lock are possible.	
Exposure compensation	1/3-stop increments, ±3 stops (±5 stops for still photos)	
ISO speed: (Recommended exposure index)	P, Av and BULB: Automatically set within ISO 100 - 25600, expandable to H (equivalent to ISO 51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800) Tv: Automatically set within ISO 100 – 25600 M: Auto ISO (automatically set within ISO 100 - 25600), ISO 100 - 25600 set manually (in 1/3- or whole-stop increments), expandable to H (equivalent to ISO 32000 / 40000 / 51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800)	

Time code	Supported	
Drop frames	Compatible with 60p / 30p	
Sound recording	Built-in monaural microphone, external stereo microphone terminal provided Sound recording level adjustable, wind filter provided	
Grid display	Three types	
Still photos	Possible	
<b>LCD Monitor</b>		
Type	TFT color, liquid-crystal monitor	
Monitor size and dots	Wide, 3.2-in. (3:2) with approx. 1.04 million dots	
Brightness adjustment	Manual (7 levels)	
Electronic level	Horizontal:	1° increments, ±6°
	Vertical:	1° increments, ±4°
Interface languages	25	
Feature guide	Displayable	
Camera System status display	Provided	
<b>Playback</b>		
Image display formats	Single image display, Single image + Info display (Basic info, shooting info, histogram), 4-image index, 9-image index display	
Highlight alert	Overexposed highlights blink	
AF point display	Possible	
Grid display	Three types	
Zoom magnification	Approx. 1.5x - 10x, starting magnification and position settable	
Image browsing methods	Single image, jump by 10 or 100 images, by shooting date, by folder, by movies, by stills, by rating	
Image rotate	Possible	
Ratings	Provided	
Movie playback	Enabled (LCD monitor, video / audio OUT, HDMI OUT) built-in speaker	
Slide show	All images, by date, by folder, movies, stills, or by rating	
Image protect	Possible	
Voice memo	Recording / playback possible	

Copying images	Possible
<b>Post-Processing of Images</b>	
In-camera RAW image processing	Brightness correction, White balance, Picture Style, Auto Lighting Optimizer, High ISO speed noise reduction, JPEG image-recording quality, Color space, Peripheral illumination correction, Distortion correction and Chromatic aberration correction
Resize	Possible
<b>Direct Printing</b>	
Compatible printers	PictBridge-compatible printers
Printable images	JPEG and RAW images
Print ordering	DPOF Version 1.1 compatible
<b>Wired LAN</b>	
Standard	IEEE802.3u (Ethernet 10BASE-T, 100BASE-TX, 1000BASE-T)
FTP transfer	Automatic transfer upon shooting Image selection / transfer Transfer with SET button Transfer with caption
EOS Utility	EOS Utility remote control over wired LAN
WFT server	Camera control / simple control / basic shooting Image viewing / downloading
Media server	DLNA-compatible
Multi camera time sync function	Master camera can synchronize time with up to 10 slave cameras
<b>Image Transfer</b>	
Transferrable images	Still photos (JPEG, RAW, RAW + JPEG images), movies
<b>Custom Functions</b>	
Custom Functions	31
Save camera settings	Up to ten sets can be registered in a card
Custom shooting modes	Register under Mode Dial's C1 / C2 / C3
My Menu registration	Possible
Copyright information	Entry and inclusion enabled
<b>Interface</b>	
Audio / video OUT / Digital	Analog video (Compatible with NTSC / PAL) / stereo audio



terminal	output Personal computer communication, direct printing (Hi-Speed USB or equivalent)
HDMI mini OUT terminal	Type C (Auto switching of resolution), CEC-compatible
External microphone IN terminal	3.5mm stereo mini-jack
Remote control terminal	Compatible with N3-type remote controller
Ethernet terminal	RJ-45 terminal, gigabit ethernet compatible
System extension terminal	For Wireless File Transmitter WFT-E6 and GPS receiver GP-E1
<b>Power</b>	
Battery	Battery Pack LP-E4N / LP-E4 (Quantity 1) * AC power can be supplied via AC Adapter Kit ACK-E4
Battery information	Remaining capacity, Shutter count and recharge performance displayed
Date/Time battery	CR2025 lithium battery (Quantity 1)
<b>Dimensions and Weight</b>	
Dimensions (W x H x D)	Approx. 158 x 163.6 x 82.7mm / 6.2 x 6.4 x 3.3in.
<b>Operation Environment</b>	
Working temperature range	0°C - 45°C / 32°F - 113°F
Working humidity	85% or less
<b>Battery Pack LP-E4N</b>	
Type	Rechargeable lithium-ion battery
Rated voltage	11.1V DC
Battery capacity	2450mAh
Dimensions (W x H x D)	Approx. 68.4 x 34.2 x 92.8mm / 2.7 x 1.3 x 3.7in.
Weight	Approx. 185g / 6.5oz. (excluding protective cover)

- All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Dimensions, maximum diameter, length and weight listed above are based on CIPA Guidelines (except weight for camera body only).
- Product specifications and the exterior are subject to change without notice.

\*

The shutter unit has passed a release test of 400,000 actuations. (The test was conducted internally and based on standard shooting conditions).



- **Address** : Office No. D-4, Ambika Darshan Building, Chittabhai Patel Road, Behind Sapan Nikhil Classes, Ahead of Kandivali Bus Depot, Kandivali (E), Mumbai-400101.
- **Phone No**: +022-28460505 (50 lines)
- **Email**: [itsolutions@varay.co.in](mailto:itsolutions@varay.co.in)