EOS DIGITAL

Canon

Delighting You Always

CONQUER YOUR LIMITS

EOS-1D X Mark II

BEYOND THE LIMITS OF

EXCELLENCE

EOS-1D X Mark II

The Canon EOS-1D series, one long regarded as the professional benchmark by leading visual professionals, now has a new flagship in its prestigious lineup. Borne out of the pursuit of innovation and maturity, the EOS-1D X Mark II has integrated the best of motion and stills to accomplish both photographic and cinematic excellence.

Armed with a 20.2 megapixel full-frame CMOS sensor with Dual Pixel CMOS AF, the EOS-1D X Mark II possesses an unrivalled advantage in the capture of minute details. Coupled with an astonishing continuous shooting rate of 16 FPS in Live View mode, as well as 4K 60p movie shooting, the EOS-1D X Mark II has once more conquered the limits of imaging performance.

Upto 16.0 Frames Per Sec LiveView Mode

4K 60p

20.2 MEGA PIXELS CMOS

FULL FRAME CMOS

DiGiC 6+ DUAL

ISO 51200

ISO FHD 25600 4K 12800

Dual Pixel CMOS AF

Max 61 point High Density Reticular AF II

4K Frame Grab

GPS

Made in JAPAN

#1 2015 DSLR MARKET SHARE IN THE WORLD FOR 12 YEARS IN A ROW

BEYOND
THE LIMITS OF SPEED

04 AUTO FOCUS + HIGH SPEED CONTINUOUS SHOOTING

HIGH-SPEED CONTINUOUS SHOOTING

With the EOS-1D X Mark II, you will be able to capture the exact moment you need with a high-speed, continuous shooting rate of up to 14 fps* with AF/AE tracking enabled, and up to 16 fps* in Live View shooting mode. This is made possible with a new mirror mechanism designed for reduced vibration even at incredibly fast speeds.

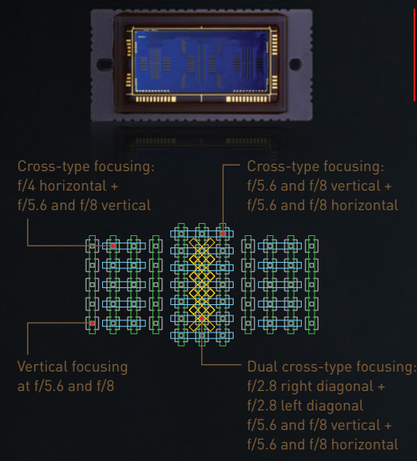
*Continuous shooting speed may vary according to the aperture, lenses being used and the conditions of the subject.

Upto 16.0 Frames Per Sec LiveView Mode

Upto 14.0 Frames Per Sec

IMPROVED AF PERFORMANCE

Featuring a new 61-point High Density Reticular AF II system with 41 cross-type points and expanded AF coverage, expect nothing less than highly precise, reliable and fast AF and AF tracking. With a 24 percent increase in AF frame coverage compared to its predecessor, the improved AF sensor also enables the EOS-1D X Mark II to achieve a low-intensity limit of EV-3 at centre AF point. All 61 AF points are now also compatible to f/8, which allows for the use of super telephoto lenses with extenders, equipment common in wildlife and sports photography.



Max. 61 point
High Density Reticular AF II

AI SERVO AF III+

The AI Servo AF III+ is equipped with a new AF algorithm, with its improved predictive AF control ensuring high-sensitivity tracking of subjects, making it ideal for scenes where subject movements may occur suddenly. The improved technology is able to secure stable driving of lens by eliminating focus errors, allowing for sharper, clearer photos.

Servo AF III+

INTELLIGENT VIEWFINDER II

The EOS-1D X Mark II is equipped with the Intelligent Viewfinder II, with each AF point highlighted in red to increase visibility in dark locations where AF can be difficult. Features like electronic level, grid, white balance, metering mode, AF information and more can be conveniently viewed in a glance.

Intelligent Viewfinder II

CFAST 2.0 STORAGE

The CFast 2.0 storage provides the EOS-1D X Mark II with integral support for high-speed stills and movie shooting, with the camera able to capture up to 170 RAW images, as well as an unlimited number of JPEG images during continuous shooting. 4K/60p and Full HD/120p video can be recorded with virtually no restrictions. With exFAT format support, movie files are no longer limited to 4GB, thus removing the need to merge files.

*Canon is an authorized licensee of the CFast 2.0™ trademark, which may be registered in various jurisdictions.

CFast 2.0™

BEYOND THE LIMITS OF CINEMATICS

IN-CAMERA 4K FRAME GRAB

During video playback, 4K Frame Grab enables you to extract any significant frames from the selected 4K movie, and save it as a JPEG file of approximately 8.8 million pixels. This allows you to obtain superior quality still images for your creative use from any desired moment in your 4K movies, all without the need for additional software or devices.

*Saving a still image from a single movie frame does not result in the same image quality as a normal still image.

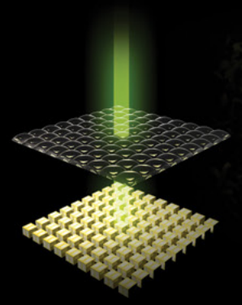
4K Frame Grab

DUAL PIXEL CMOS AF

Designed to provide fast and high-performance autofocus and tracking during Live View still and movie shooting, Dual Pixel CMOS AF enables the seamless switch of focus between subjects, as well as tracking and sustaining focus in a moving subject. Utilising up to 80 percent of the CMOS sensor, Dual Pixel CMOS AF can be activated even under dim conditions as dark as EV-3, and is also now available for all movie sizes and recording quality. Working in tandem with the improved Movie Servo AF and Face+Tracking priority, these advanced features help make the EOS-1D X Mark II an indispensible 4K and Full HD moviemaking tool.

Dual Pixel CMOS AF

Schematic view of CMOS sensor structure



4K MOVIE SHOOTING

Achieve ultimate movie performance as you shoot 4K 60p movies on the EOS-1D X Mark II. Thanks to its Dual DIGIC 6+ Image Processors, improved CMOS sensor, Dual Pixel CMOS AF, and the extensive ISO speed range, the EOS-1D X Mark II effortlessly creates cinematic level videos of great fluidity and ultra-high resolution.

4K 60p

FULL HD HIGH FRAME RATE MOVIE SHOOTING

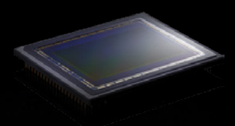
Capable of Full HD movie shooting at 100p/120p, this new feature in the EOS-1D X Mark II allows for the capture of minute details imperceptible to the human eye and is ideal in the creation of slow-motion movies.

100p High Frame Rate FULL HD Movie

120p High Frame Rate FULL HD Movie

BEYOND
THE LIMITS OF QUALITY

20.2 MEGAPIXEL 35MM FULL-FRAME CMOS SENSOR



20.2 MEGA PIXELS CMOS

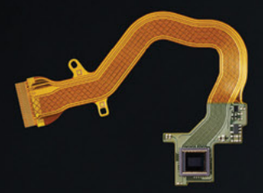
The EOS-1D X Mark II comes equipped with a 20.2 Megapixel full-frame CMOS sensor with Dual Pixel CMOS AF, which forms a partnership with the Dual DIGIC 6+ Image Processors to quickly capture visual data. It is what enables the EOS-1D X Mark II to possess exceptional continuous shooting speeds, improved ISO speeds, as well as movie shooting in 4K and Full HD. This ensures that the camera delivers outstanding image and video quality at any moment, no matter the shooting conditions.

DUAL DIGIC 6+

DiGiC 6+ DUAL

The EOS-1D X Mark II is powered by the Dual DIGIC 6+ Image Processors, which provides serious processing power to handle the massive amount of data that comes through. They also provide integral support for Diffraction Correction and the in-camera Digital Lens Optimizer.

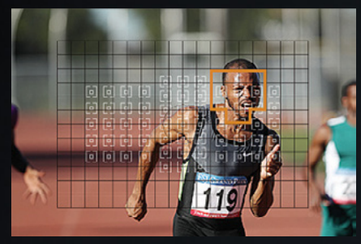
RGB + IR METERING SENSOR AND EOS ITR AF SYSTEM



360,000 PIXEL RGB+IR Metering sensor

To ensure uniform and precise exposure metering, the EOS-1D X Mark II utilises a new RGB+IR metering system with a 360,000 pixel metering sensor. The metering sensor includes IR pixels that detect infrared light, which then works with the RGB pixels to detect brightness, colour, and faces to ensure consistent exposure during shooting. The IR pixels also helps the EOS Scene Analysis System with scene analysis and AF improvements.

The RGB+IR metering sensor also works with the EOS iTR AF technology to provide improved stability during AF and subject tracking. With the metering sensor's high pixel count, it provides support for improved AF selection based on face and colour information, which helps in the tracking of subjects across the frame.



*Metering zone relative to field of view in the viewfinder.

ISO SPEEDS

The new noise reduction processing enables the EOS-1D X Mark II to achieve ISO speeds of 51 200 during still shooting and ISO 12 800 during 4K movie shooting. They are then further expandable up to ISO 409 600 and ISO 204 800 respectively. This enables you to achieve exceptional detail and visual quality no matter the lighting conditions, making the EOS-1D X Mark II suitable for an extensive variety of shooting environments.

ISO 51200

ISO FHD 25600 4K 12800

EOS-1D X Mark II

EF300mm f/2.8L IS II USM
1/3200 sec
Aperture f/4.0
ISO 200

EF24-70mm f2.8L II USM
1/1300 sec
Aperture f/5.6
ISO 100

EF400mm f2.8L IS II USM
1/500 sec
Aperture f/9
ISO 100

BEYOND
THE LIMITS OF FUNCTIONALITY

ENHANCED WIFI CAPABILITIES

With support for the new high-speed IEEE802.11ac standard, the EOS-1D X Mark II is able to achieve high-speed communication with the new 5GHz band on the WFT-E8, allowing you to quickly connect and send along images for editing and other purposes. The improvements also add support for the Camera Connect smartphone app, which allows you to remotely adjust camera settings and access images taken from your EOS-1D X Mark II.

BUILT-IN GPS

The built-in GPS feature ensures higher precision when it comes to recording Geotag information, which provides you greater convenience when it comes to organising images based on GPS information. The built-in GPS can also be used to sync the camera's time to the satellites' atomic clocks automatically, a feature no doubt useful to imaging professionals.

TOUCH-PANEL LCD SCREEN

To create a more intuitive shooting experience, the EOS-1D X Mark II comes outfitted with a Touch-Panel LCD Screen of approximately 1.62 million dots. The touchscreen works in complement with Dual Pixel CMOS AF, allowing you to select and switch your AF points seamlessly during Live View and Movie Shooting. You will also be able to switch between two levels of touchscreen sensitivity, standard and sensitive, for better response to your fingers.

3:2 WIDE
8.1cm / 3.2" LCD
ClearView II

IN-CAMERA DIGITAL LENS OPTIMIZER

The Digital Lens Optimizer is a technology that uses optical design values to correct lens aberration, diffraction, and resolution degraded by the low-pass filter, resulting in sharper images of superior quality. The Digital Lens Optimizer can be accessed in-camera even during shooting.

ANTI-FLICKER SHOOTING

The Anti-Flicker Shooting function works by first identifying flicker frequency, after which the camera proceeds to capture the intended image when the flicker is at peak brightness. The EOS-1D X Mark II further features an improved algorithm for this function, which now detects scenes with flicker, as well as reducing incorrect detection of flickering lights.

Anti-flicker shooting OFF

Anti-flicker shooting ON

FINE DETAIL SHOOTING

Give prominence to the minute details of your subject with Fine Detail Shooting. With this new Picture Style, it produces images that accentuates fine edges, patterns, and textures, making it especially suitable for subjects with intricate detailing.

BEYOND

THE LIMITS OF ENDURANCE

DURABILITY OF 400,000 CYCLES

In professional photography, one of the most important qualities for a camera to possess is reliability. With the EOS-1D X Mark II, its carbon fibre shutter blades are light, thin, but strong. Combined with a release magnet system and shutter brake control, the EOS-1D X Mark II is outfitted with an ultra-durable shutter capable of at least 400,000 cycles.

HIGH-DURABILITY MAGNESIUM BODY

The EOS-1D X Mark II's magnesium alloy body contributes greatly to both the camera's lightness and durability. This renders the EOS-1D X Mark II operational even in harsh shooting environments.

DUST AND DRIP PROOF FUNCTIONALITY

Offering a professional level of protection against any harsh elements, all camera controls and external cover seams of the EOS-1D X Mark II comes with dust and drip proof functionality. When used in conjunction with Canon's dust and drip-proof accessories or selected EF 'L' Lenses, the entire camera system will be well guarded against adverse weather conditions and hazardous elements.

IMPROVED CONTROLS AND GRIP

The cameras in the EOS-1D series' comes with a distinctively thick, integrated vertical grip, which may be unwieldy for users with smaller hands to hold and use the camera. This grip has been made slightly thinner on the EOS-1D X Mark II, making it easier for users to grip the camera comfortably. The placement of control buttons has also been revamped, allowing for easier access to the camera's various functions.

BEYOND
THE LIMITS OF PERSPECTIVE

LENS

ULTRA-WIDE ZOOM

EF11-24mm f/4L USM *(NEW)*
The EF11-24mm f/4L USM is constructed from glass moulded aspherical elements, UD and Super UD lens elements, as well as four types of special coatings – Super Spectra coating, Fluorine coating, SWC coating, and ASC coating. This reduces chromatic aberration, flare, and ghosting, which aids in the creation of surreal images with clarity and wide angles.

WIDE-ANGLE

EF35mm f/1.4L II USM *(NEW)*
The EF35mm f/1.4L II USM lens features Canon's new Blue Spectrum Refractive Optics lens technology, which consists of BR Optics that greatly refracts blue light, a concave lens, and a convex lens. The three lenses then work together to focus all visible light wavelengths onto a single point, enabling the camera to produce sharp, crisp images with superior rendering performance and reduced chromatic aberration.

STANDARD ZOOM

EF24-105mm f/3.5-5.6 IS STM
Silent and highly responsive in AF adjustments, the EF24-105mm f/3.5-5.6 IS STM lens features a 0.40m minimum focus distance and 0.30x maximum magnification at all zoom ranges, making it ideal for movie shooting, especially when used in conjunction with a Movie Servo AF-compatible camera.

EF24-70mm f/2.8L II USM
A large-aperture, high-performance L series zoom lens with a wide focal range, the EF24-70mm f/2.8L II USM is constructed with lens elements that enables magnification-type chromatic aberration correction at wider angles, allowing the user to obtain outstanding quality images. Its minimum focusing distance of 0.38m and magnification of 0.21x also makes the lens suitable for close-up photography.

SUPER TELEPHOTO

EF400mm f/2.8L IS II USM
A large-aperture, high performance Super Telephoto L Lens, the EF400mm f/2.8L IS II USM lens comes with built-in Image Stabilization that ensures a smooth shooting experience. Created with a magnesium alloy body and titanium parts, and highly resistant to dust and water, the EF400mm f/2.8L IS II USM lens is one that is well suited for use under a great variety of environmental conditions.

TELEPHOTO ZOOM

EF200-400mm f/4L IS USM Extender 1.4x
The EF200-400mm f/4L IS USM Extender 1.4x lens is able to achieve an extended reach of 560mm, with minimum focusing distance remaining at 2m even when using the built-in extender. With additional IS mode 3, the lens is suitable for capturing sudden movements in subjects. This lens also comes included with the Power Focus mode and a 2-step focus speed change option.

EF70-200mm f/2.8L IS II USM
Comprising of five lens elements, the EF70-200mm f/2.8L IS II USM lens is able to correct colour aberration that delivers a clear shooting performance. The lens also features a ring-type USM and inner focusing system, full-time manual focus, as well as possible autofocus at 98-280mm f/4 or 140-400mm f/5.6 when used with the Extender EF1.4xIII or EF2xIII.

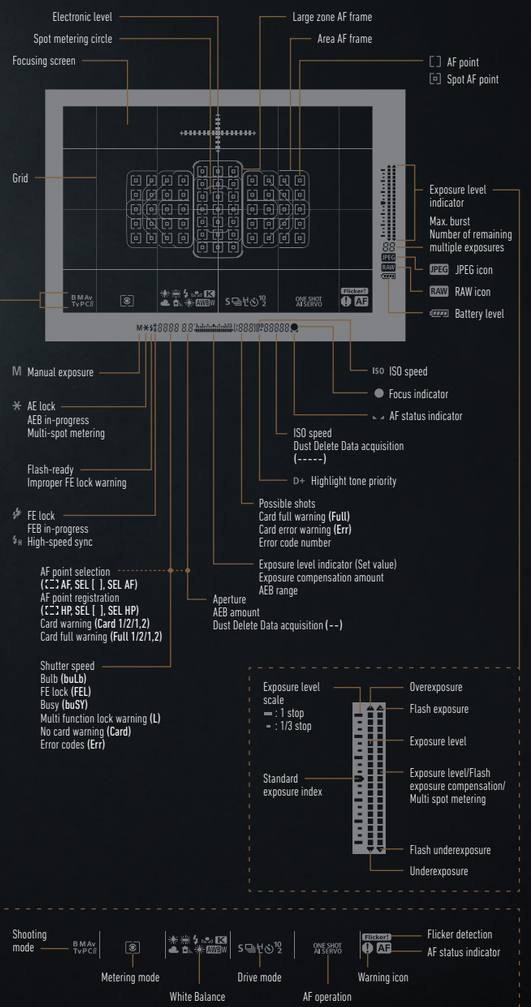
ACCESSORIES

WIRELESS FILE TRANSMITTER WFT-E8

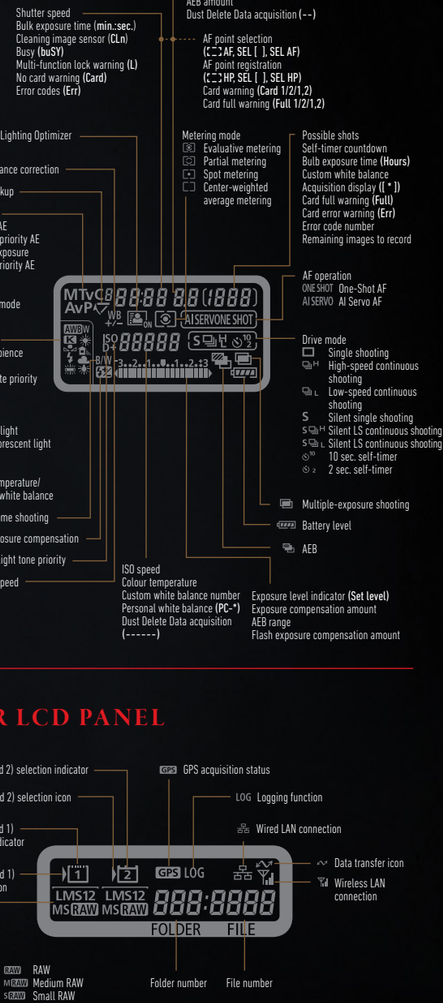
The new Wireless File Transmitter WFT-E8 comes with support for the new high-speed IEEE802.11ac standard; allowing you to access improved wireless communication speeds for greater convenience when sharing visuals. Support for Camera Connect now allows you to transfer visuals between the camera and compatible devices, as well as allowing for improved remote operation functions with the EOS-1D X Mark II.

NOMENCLATURE

VIEWFINDER INFORMATION



TOP LCD PANEL



REAR LCD PANEL

SPECIFICATIONS

TYPE

Type	: Digital, single-lens reflex, AF/AE camera
Recording media	: CF cards (Type I, UDMA 7 supported) CFast card (CFast 2.0 supported)
Image sensor size	: Approx. 35.9 x 23.9 mm
Compatible lenses	: Canon EF lenses * Excluding EF-S and EF-M lenses (The effective angle of view of a lens is approximately equivalent to that of the focal length indicated.)
Lens mount	: Canon EF mount

IMAGE SENSOR

Type	: CMOS sensor
Effective pixels	: Approx. 20.2 megapixels * Rounded off to the nearest 10,000th.
Aspect ratio	: 3:2
Dust delete feature	: Auto/Manual, Appending Dust Delete Data

RECORDING SYSTEM

Recording format	: Design rule for Camera File System (DCF) 2.0
Image type	: JPEG, RAW (14-bit Canon original), RAW+JPEG simultaneous recording possible
Pixels recorded	: L (Large) : Approx. 20.0 megapixels (5472 x 3648) M1 (Medium 1) : Approx. 12.7 megapixels (4368 x 2912) M2 (Medium 2) : Approx. 8.9 megapixels (3648 x 2432) S (Small) : Approx. 5.0 megapixels (2736 x 1824) RAW : Approx. 20.0 megapixels (5472 x 3648) M-RAW : Approx. 11.2 megapixels (4104 x 2736) S-RAW : Approx. 5.0 megapixels (2736 x 1824)
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

IMAGE PROCESSING DURING SHOOTING

Picture Style	: Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined 1 - 3
White balance	: Auto (Ambience priority), Auto (White priority), Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom (5 settings), Color temperature setting (approx. 2500-10000 K), Personal white balance (5 settings) White balance correction and white balance bracketing features provided * Flash color temperature information transmission possible
Automatic image brightness correction	: Auto Lighting Optimizer provided
Noise reduction	: Applicable to high ISO speed shots and long exposures
Highlight tone priority	: Provided
Lens aberration correction	: Peripheral illumination correction, Chromatic aberration correction, Distortion correction, and Diffraction correction

VIEWFINDER

Type	: Eye-level pentaprism
Coverage	: Vertical/Horizontal approx. 100% (with eyepoint approx. 20 mm)
Magnification	: Approx. 0.76x (-1 m^{-1} with 50mm lens at infinity)
Eyepoint	: Approx. 20 mm (from eyepiece lens center at -1 m^{-1})
Dioptric adjustment range	: Approx. -3.0 - +1.0 m^{-1} (dpt)
Eyepiece shutter	: Built-in
Focusing screen	: Ec-C6 provided, interchangeable
Grid display	: Provided
Electronic level	: Provided
Function setting display	: Image type: JPEG/RAW, Shooting mode, Metering mode, White balance, Drive mode, AF operation, Flicker detection, Warning ! indicator, AF operation indicator
Mirror	: Quick-return type
Depth-of-field preview	: Provided

AUTOFOCUS (during viewfinder shooting)

Type	: TTL secondary image-registration, phase-difference detection with the dedicated AF sensor
AF points	: Max. 61 points (Cross-type AF point: Max. 41 points) * Number of available AF points, Dual cross-type AF points, and cross-type AF points vary depending on the lens used. * Dual cross-type focusing at f/2.8 with 5 AF points vertically aligned at the center. (AF group: When group A lenses are used)
Focusing brightness range	: EV -3 - 18 (Conditions: f/2.8-sensitive center AF point, One-Shot AF, room temperature, ISO 100)
Focus operation	: One-Shot AF, AI Servo AF, Manual focusing (MF)
AF area selection mode	: 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 of zone), Large zone AF (manual selection of zone), Automatic selection AF
AF point automatic selection conditions	: Based on EOS iTR AF setting (Enables AF incorporating human face/color information)
AF Configuration Tool	: Case 1 - 6
AI Servo AF characteristics	: Tracking sensitivity, Acceleration/deceleration tracking, AF point auto switching
AF function customization	: 17 functions
AF fine adjustment	: AF Microadjustment (All lenses by the same amount, Adjust by lens)
AF-assist beam	: Emitted by the EOS-dedicated external Speedlite

EXPOSURE CONTROL

Metering mode	: Approx. 360,000-pixel RGB+IR metering sensor and 216-zone TTL open-aperture metering EOS iSA (Intelligent Subject Analysis) system • Evaluative metering (linked to all AF points) • Partial metering (approx. 4.2% of viewfinder at center) • Spot metering (approx. 1.5% of viewfinder at center) * Spot metering and Multi-spot metering linkable to AF point • Center-weighted average metering
Metering brightness range	: EV 0 - 20 (at room temperature, ISO 100, with evaluative metering)
Shooting mode	: Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure, Custom shooting (C1/C2/C3)
ISO speed (Recommended exposure index)	: ISO Auto, ISO 100 - ISO 51200 manual setting (in 1/3- or whole-stop increments) and expandable to L (equivalent to ISO 50), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800), and H3 (equivalent to ISO 409600) provided. * If highlight tone priority is set, the settable ISO speed range will be ISO 200 - ISO 51200.
ISO speed settings	: Still photo shooting range, Auto range, Auto minimum 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 : With AE lock button
Flicker reduction	: Possible

MULTIPLE EXPOSURES

Shooting method	: Function/control priority, Continuous shooting priority
Number of multiple exposures	: 2 to 9 exposures
Multiple-exposure control	: Additive, Average, Bright, Dark

SHUTTER

Type	: Electronically-controlled, focal-plane shutter
Shutter speed	: 1/8000 sec. to 30 sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/250 sec.

DRIVE SYSTEM

Drive mode	: Single, High-speed continuous, Low-speed continuous, Silent single shooting, Silent high-speed shooting, Silent low-speed shooting, 10-sec. self-timer, 2-sec. self-timer
Continuous shooting speed	: High-speed continuous shooting Viewfinder shooting: Maximum approx. 14.0 fps (settable within 2 fps to 14 fps) Live View shooting: Maximum approx. 16.0 fps (settable within 2 fps to 14 fps and 16 fps) * With ISO H1 (equivalent to ISO102400) or higher (ISO 32000 or higher if the camera's internal temperature is low), the maximum continuous shooting speed during high-speed continuous shooting will be no faster than 10.0 fps during viewfinder shooting or 14.0 fps during Live View shooting (with Battery Pack LP-E19). * The maximum continuous shooting speed during high-speed continuous shooting may become slower depending on the power source type, battery level, temperature, ISO speed, flicker reduction, shutter speed, aperture, subject conditions, brightness, lens, flash use, shooting function settings, etc. * If "16 fps" is set during Live View shooting, flash will not be fired. Low-speed continuous shooting: Approx. 3.0 fps (settable within 1 fps to 13 fps) Silent high-speed continuous shooting: Approx. 5.0 fps maximum (settable within 2 fps to 5 fps) Silent low-speed continuous shooting: Approx. 3.0 fps maximum (settable within 1 fps to 4 fps)
Max. burst	: JPEG Large: CF card : Standard: Approx. 140 shots High speed: Full CFast card : Full RAW : CF card : Standard: Approx. 59 shots High speed: Approx. 73 shots CFast card : Approx. 170 shots RAW+JPEG Large : CF card : Standard: Approx.48 shots High speed: Approx. 54 shots CFast card : Approx. 81 shots * Based on Canon's standard testing CF card (Standard: 8 GB/ High speed: UDMA mode 7, 64 GB) and CFast card (CFast 2.0, 128 GB) and the following testing conditions: Viewfinder shooting, High-speed continuous shooting, JPEG quality 8, ISO 100, and Standard Picture Style. * 'Full' indicates that shooting is possible until the card becomes full.

EXTERNAL SPEEDLITE

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
Flash control	: Flash function settings, Flash C.Fn settings

LIVE VIEW SHOOTING

Focus method	: Dual Pixel CMOS AF
AF method	: Face+Tracking, FlexiZone - Single Manual focusing (approx. 5x and 10x magnification available for focus check) * AF possible with touchscreen operation.
Focusing brightness range	: EV -3 - 18 (at room temperature, ISO 100)
Metering mode	: Evaluative metering (315 zones), Partial metering (approx. 6.5% of Live View screen), Spot metering (approx. 2.8% of Live View screen), Center-weighted average metering
Metering brightness range	: EV 0 - 20 (at room temperature, ISO 100, with evaluative metering)
Exposure compensation	: ±5 stops in 1/3- or 1/2-stop increments
Silent Live View shooting	: Provided (Mode 1 and 2)
Grid display	: 3 types

MOVIE SHOOTING

Recording format	: MOV, MP4
Movie	: 4K: Motion JPEG Full HD: MPEG-4 AVC/H.264 Variable (average) bit rate
Audio	: MOV: Linear PCM, MP4: AAC
Movie recording size	: 4K (4096x2160), Full HD (1920x1080)
Frame rate	: 119.9p/59.94p/29.97p/24.00p/23.98p (with NTSC) 100.0p/50.00p/25.00p/24.00p (with PAL) * 119.9p/100.0p: Full HD quality High Frame Rate movie
Movie recording method / Compression rate	: Motion JPEG ALL-I (For editing/I-only), IPB (Standard), IPB (Light)
Bit rate	* Motion JPEG and ALL-I available only when MOV is set. * IPB (Light) available only when MP4 is set. : [MOV] 4K (59.94p/50.00p) : Approx. 800 Mbps 4K (29.97p/25.00p/24.00p/23.98p) : Approx. 500 Mbps Full HD (119.9p/100.0p)/ALL-I : Approx. 360 Mbps Full HD (59.94p/50.00p)/ALL-I : Approx. 180 Mbps Full HD (59.94p/50.00p)/IPB : Approx. 60 Mbps Full HD (29.97p/25.00p/24.00p/23.98p)/ALL-I : Approx. 90 Mbps Full HD (29.97p/25.00p/24.00p/23.98p)/IPB (Standard) : Approx. 30 Mbps [MP4] Full HD (59.94p/50.00p)/IPB (Standard) : Approx. 60 Mbps Full HD (29.97p/25.00p/24.00p/23.98p)/IPB (Standard): Approx. 30 Mbps Full HD (29.97p/25.00p)/IPB (Light) : Approx. 12 Mbps
Card performance requirements (Writing/reading speed)	: 4K (29.97p/25.00p/24.00p/23.98p) 4K (29.97p/25.00p/24.00p/23.98p) : CFast 2.0 CF UDMA 7: 100 Mbps or faster/CFast 2.0 Full HD (119.9p/100.0p) CF UDMA 7: 100 Mbps or faster/CFast 2.0 Full HD (59.94p/50.00p)/ALL-I CF UDMA 7: 60 Mbps or faster/CFast 2.0 Full HD (59.94p/50.00p)/IPB : 30 Mbps or faster Full HD (29.97p/25.00p/24.00p/23.98p)/ALL-I: 30 Mbps or faster Full HD (29.97p/25.00p/24.00p/23.98p)/IPB (Standard) :10 Mbps or faster Full HD (29.97p/25.00p)/IPB (Light) : 10 Mbps or faster
Focus method	: Dual Pixel CMOS AF
AF method	: Face+Tracking, FlexiZone - Single Manual focusing (Approx. 5x and 10x magnification available for focus check)
Movie servo AF	: Possible * Movie Servo AF customizable
Focusing brightness range	: EV -3 - 18 (at room temperature, ISO 100)
Metering mode	: Center-weighted average metering and Evaluative metering with the image sensor * Automatically set by the focus method
Metering brightness range	: EV 0 - 20 (at room temperature, ISO 100, with center-weighted average metering)
Exposure control	: Autoexposure shooting (Program AE for movie shooting), Shutter-priority AE, Aperture-priority AE, Manual exposure
Exposure compensation	: ±3 stops in 1/3- or 1/2-stop increments
ISO speed (Recommended exposure index)	: [Full HD] P/Tv/Av/B: Automatically set within ISO 100 - ISO 25600, expandable to H (equivalent to ISO 32000/40000/51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800) M: ISO Auto (automatically set within ISO 100 - ISO 25600), ISO 100 - ISO 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) [4K] P/Tv/Av/B: Automatically set within ISO 100 - ISO 12800, expandable to H (equivalent to ISO 16000/20000/25600/32000/ 40000/51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800) M: ISO Auto (automatically set within ISO 100 - ISO 12800), ISO 100 - ISO 12800 set manually (in 1/3- or whole-stop increments), expandable to H (equivalent to ISO 16000/20000/25600/32000/40000/ 51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800)
ISO speed settings	: Range for movie shooting and 4K settable
Time code	: Appendable
Drop frames	: Compatible with 119.9p/59.94p/29.97p
Sound recording	: Built-in monaural microphone, external stereo microphone terminal, and line input provided Sound-recording level adjustable, wind filter provided, attenuator provided
Headphones	: Headphone terminal provided, sound volume adjustable
Grid display	: 3 types
Still photo shooting	: Not possible during movie shooting.
2-image display	: LCD monitor and HDMI output can be displayed simultaneously.
HDMI output	: Image without information can be output. * Auto / 59.94i/50.00i / 59.94p/50.00p / 23.98p selectable. * When [24.00p: Enable] is set, the movie image is output at 24.00p via HDMI.
Accessory mount	* Time code appendable : Bottom equipped with positioning hole to prevent rotation.

LCD MONITOR

Type	: TFT color, liquid-crystal monitor
Monitor size and dots	: Width 3.2 in. (3:2) with approx. 1.62 million dots
Brightness adjustment	: Manual (7 levels)
Electronic level	: Provided
Interface languages	: 25
Touchscreen	: Capacitive sensing * Works to move the AF point during Live View and movie shooting (AF enabled), and with magnified view.
Help display	: Possible
Camera system information	: Provided

PLAYBACK

Image display format	: Single-image display (without shooting information), Single-image display (with basic information), Single-image display (Shooting information displayed: Detailed information, Lens/histogram, White balance, Picture Style 1, Picture Style 2, Color space/noise reduction, Lens aberration correction 1, Lens aberration correction 2, GPS information), Index display (4/9/36/100 images)
Highlight alert	: Overexposed highlights blink
AF point display	: Provided (may not be displayed depending on shooting conditions)
Grid display	: 3 types
Magnified view	: Approx. 1.5x-10x, initial magnification and position settable
Image browsing method	: Single image, Jump by 10 or 100 images, By shooting date, By folder, By movies, By stills, By protected images, By rating
Image rotation	: Provided
Image protection	: Provided
Rating	: Provided
Voice memo	: Recording/Playback possible
Movie playback	: Enabled (LCD monitor, HDMI), built-in speaker provided
Start/end movie scene editing	: Possible
4K Frame Grab	: Frame Grab can be saved as JPEG image.
Slide show	: All images, By date, By folder, By movies, By stills, By protected images, By rating
Copying images	: Possible

POST-PROCESSING OF IMAGES

In-camera RAW image processing	: Brightness adjustment, White balance, Picture Style, Auto Lighting Optimizer, High ISO speed noise reduction, JPEG image-recording quality, Color space, Lens aberration correction (Peripheral illumination correction, Distortion correction, Digital lens optimizer, Chromatic aberration correction, Diffraction correction)
Resize	: Provided
Cropping	: Provided

IMAGE TRANSFER

Transferrable files	: Still photos (JPEG, RAW, RAW+JPEG images), Movies

PRINT ORDERING

DPOF	: Version 1.1 compliant

LAN FUNCTIONS

Ethernet	: 1000BASE-T, 100BASE-TX, 10BASE-T
Security	: IPsec
FTP transfer	: Automatic transfer, Image selection and transfer, Transfer using SET button, Transfer with captions * FTPS supported
EOS Utility	: EOS Utility remote control functions over wired LAN
WFT Server	: Camera control, Simple control Image viewing and downloading
Smartphone	: Images can be viewed, controlled, and received using a smartphone. Remote control of the camera using a smartphone is possible.
Synchronizing camera time	: Syncing up to 10 slave cameras to the master camera time Margin of error with master camera: Approx. ±0.05 seconds * Synchronize the camera time between the same camera models.

GPS FUNCTIONS

Compatible satellites	: GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System (QZSS) MICHIBIKI (Japan)
Signal reception modes	: Mode 1, Mode 2
Geotag information appended to image	: Latitude, Longitude, Elevation, Coordinated Universal Time (UTC), Satellite signal acquisition status
Position update interval	: 1 sec., 5 sec., 10 sec., 30 sec., 1 min., 2 min., 5 min.
Time setting	: GPS time data set to camera
Log data	: One file per day, NMEA format * Change in time zone creates another file. * The log data saved in internal memory can be transferred to a card or downloaded to a computer as a log file.
Log data deletion	: Possible

CUSTOMIZATION FEATURES

Custom Functions	: 34
Custom Quick Control	: Provided
Saving camera settings	: Up to ten settings can be registered on a card
Custom shooting modes	: Register under C1, C2, or C3
My Menu	: Up to 5 screens can be registered
Copyright information	: Text entry and appending possible

INTERFACE

DIGITAL terminal	: SuperSpeed USB (USB 3.0) Computer communication, Connect Station CS100 connection
HDMI mini OUT terminal	: Type C (Auto switching of resolution), CEC-compatible
External microphone input /Line input terminal	: 3.5 mm diameter stereo mini-jack
Headphone terminal	: 3.5 mm diameter stereo mini-jack
Remote control terminal	: For N3-type remote control units
System extension terminal	: Wireless File Transmitter WFT-E8/WFT-E6 connection
Ethernet terminal	: RJ-45 terminal, gigabit Ethernet compatible

POWER

Battery	: Battery Pack LP-E19/LP-E4N/LP-E4, quantity 1 * AC power usable with household power outlet accessories.
Battery information	: Power source, Battery level, Shutter count, Recharge performance indicated
Number of possible shots	: With viewfinder shooting: Approx. 1210 shots at room temperature (23°C/73°F), approx. 1020 shots at low temperatures (0°C/32°F) With Live View shooting: Approx. 260 shots at room temperature (23°C/73°F), approx. 240 shots at low temperatures (0°C/32°F) * With a fully-charged Battery Pack LP-E19.
Movie shooting time	: Total approx. 2 hr. 20 min. at room temperature (23°C/73°F) Total approx. 2 hr. at low temperatures (0°C/32°F) * With a fully-charged Battery Pack LP-E19, Movie Servo AF disabled, and Full HD 29.97p/25.00p/24.00p/23.98p IPB (Standard).

DIMENSIONS AND WEIGHT

Dimensions (W x H x D)	: Approx. 158.0 x 167.6 x 82.6 mm / 6.22 x 6.60 x 3.25 in.
Weight	: Approx. 1530 g / 53.97 oz. (Based on CIPA Guidelines), Approx. 1340 g / 47.27 oz. (Body only)

OPERATION ENVIRONMENT

Working temperature range	: 0°C - 45°C / 32°F - 113°F
Working humidity	: 85% or less

BATTERY PACK LP-E19

Type	: Rechargeable lithium-ion battery
Rated voltage	: 10.8 V DC
Battery capacity	: 2700 mAh
Working temperature range	: During recharging: 5°C - 40°C / 41°F - 104°F During shooting: 0°C - 45°C / 32°F - 113°F
Working humidity	: 85% or less
Dimensions (W x H x D)	: Approx. 68.45 x 34.2 x 92.8 mm / 2.69 x 1.35 x 3.65 in.
Weight	: Approx. 185 g / 6.53 oz. (excluding protective cover)

BATTERY CHARGER LC-E19

Compatible battery packs	: Battery Pack LP-E19/LP-E4N/LP-E4
Recharge time (at room temperature)	: LP-E19: Approx. 2 hr. 50 min. per battery LP-E4N/LP-E4: Approx. 2 hr. 20 min. per battery
Rated input	: 100 - 240 V AC (50/60 Hz)
Rated output	: 12.6 V DC, 1.63 A
Power cord	: Approx. 2.0 m / 6.6 ft.
Working temperature range	: 5°C - 40°C / 41°F - 104°F
Working humidity	: 85% or less
Dimensions (W x H x D)	: Approx. 155.0 x 51.0 x 95.0 mm / 6.10 x 2.01 x 3.74 in.
Weight	: Approx. 335 g / 11.82 oz. (excluding power cord and protective covers)

• All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines. • Dimensions 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. • If a problem occurs with a non-Canon lens attached to the camera, consult the respective lens manufacturer.

EOS-1D X Mark II

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