Specification (EOS 6D Mark II)

Last Updated : 23-Jun-2017
Issue Number : 6200470100

Type	Type	Digital, single-lens reflex, AF/AE camera
	Recording media	SD/SDHC*/SDXC* memory cards * UHS-I cards compatible
	Image sensor size	Approx. 35.9 x 24.0 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. 26.2 megapixels * Rounded to the nearest 100,000.
	Aspect ratio	3:2
	Dust deletion	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. 26.0 megapixels (6240 x 4160) M (Medium) : Approx. 11.5 megapixels (4160 x 2768) S1 (Small 1) : Approx. 6.5 megapixels (3120 x 2080) S2 (Small 2) : Approx. 3.8 megapixels (2400 x 1600) RAW : Approx. 26.0 megapixels (6240 x 4160) M-RAW : Approx. 14.6 megapixels (4680 x 3120) S-RAW : Approx. 6.5 megapixels (3120 x 2080) * Rounded to the nearest 100,000.
	Aspect ratio	3:2, 4:3, 16:9, 1:1
	Folder creation and	Possible

	selection	
	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, Color temperature setting (approx. 2500-10000 K) 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, Diffraction correction
Viewfinder	Type	Eye-level pentaprism
	Field of view coverage	Vertical/Horizontal approx. 98% (with eyepoint approx. 21 mm and aspect ratio set to 3:2)
	Magnification	Approx. 0.71x (-1 m^{-1} with 50mm lens at infinity)
	Eyepoint	Approx. 21 mm (from eyepiece lens center at -1 m^{-1})
	Dioptric adjustment range	Approx. -3.0 - +1.0 m^{-1} (dpt)
	Focusing screen	Fixed, Precision Matte
	Grid display	Provided
	Electronic level	Provided
	Function setting display	Battery level (remaining capacity), Shooting mode, AF operation, Image quality (Image type), Drive mode, Metering mode, Flicker detection, Warning! Display
	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. 45 points (Cross-type AF point: Max. 45 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 center AF point when Group A (of the AF groups) lenses are used.

	Focusing brightness range	EV -3 - 18 (with the center AF point supporting f/2.8, One-Shot AF, room temperature, ISO 100)
	Focus operation	One-Shot AF, AI Servo AF, AI Focus AF, Manual focusing (MF)
	AF area selection mode	Single-point Spot AF (manual selection), Single-point AF (manual selection), Zone AF (manual selection of zone), Large zone AF (manual selection of zone), Automatic selection AF
	AF point automatic selection conditions	Automatic AF point selection possible based on color information equivalent to human skin-tone
	AI Servo AF characteristics	Characteristics can be set with Custom Functions for Tracking sensitivity, Acceleration/deceleration tracking, and AF point auto switching
	AF fine adjustment	AF Microadjustment (All lenses by the same amount, Adjust by lens)
	AF-assist beam	With the EOS-dedicated external Speedlite
Exposure Control	Metering mode	Approx. 7,560-pixel RGB+IR metering sensor and 63-zone TTL open-aperture metering • Evaluative metering (linked to all AF points) • Partial metering (approx. 6.5% of viewfinder at center) • Spot metering (approx. 3.2% of viewfinder at center) • Center-weighted average metering
	Metering brightness range	EV 1 - 20 (at room temperature, ISO 100)
	Shooting mode	Basic Zone modes: Scene Intelligent Auto, Creative Auto, Special Scene (Portrait, Group Photo, Landscape, Sports, Kids, Panning, Close-up, Food, Candlelight, Night Portrait, Handheld Night Scene, HDR Backlight Control) Creative Zone modes: Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure, Custom shooting modes (C1/C2)
	ISO speed (Recommended exposure index)	Basic Zone modes: ISO speed set automatically P, Tv, Av, M, B: ISO Auto, ISO 100 - ISO 40000 manual setting (in 1/3- or whole-stop increments), and expansion to L (equivalent to ISO 50), H1 (equivalent to ISO 51200), H2 (equivalent to ISO 102400) provided. * With highlight tone priority set, the minimum limit will be ISO 200.
	ISO speed settings	ISO speed range, Auto range, and minimum speed limit for Auto settable
	Exposure compensation	Manual: With viewfinder shooting: ±5 stops in 1/3- or 1/2-stop increments With Live View shooting: ±3 stops in 1/3- or 1/2-stop increments AEB (Auto Exposure Bracketing): ±3 stops in 1/3- or 1/2-stop increments (can be combined with manual exposure compensation)
	AE lock	Auto: AE lock when focus is achieved can be enabled or disabled for each metering mode with a Custom Function Manual: With AE lock button

	Flicker reduction	Provided
	Interval timer	Shooting interval and shot count settable
	Bulb timer	Bulb exposure time settable
	Mirror lockup	Provided

HDR Shooting	Dynamic range adjustment	Auto, ±1, ±2, ±3
	Effects	Natural, Art standard, Art vivid, Art bold, Art embossed
	Auto image alignment	Provided
Multiple Exposures	Number of multiple exposures	2 to 9 exposures
	Multiple-exposure control	Additive, average
Shutter	Type	Electronically-controlled, focal-plane shutter
	Shutter speed	1/4000 sec. to 30 sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/180 sec.
Drive System	Drive mode	Single shooting, High-speed continuous shooting, Lowspeed continuous shooting, Silent single shooting, Silent continuous shooting, 10-sec. self-timer/remote control, 2- sec. self-timer/remote control, Self-timer: Continuous
	Continuous shooting speed	High-speed continuous shooting: Max. approx. 6.5 shots/sec. * The continuous shooting speed decreases during Antiflicker shooting, during Live View shooting with Servo AF, or during Live View shooting with an external Speedlite. * The continuous shooting speed for high-speed continuous shooting may decrease depending on the temperature, battery level, flicker reduction, shutter speed, aperture, subject conditions, brightness, AF operation, lens, flash use, shooting function settings, etc. Low-speed continuous shooting: Max. approx. 3.0 shots/sec. * The continuous shooting speed decreases during Live View shooting with an external Speedlite. * During Panning mode in viewfinder shooting: Max. approx. 4.3 shots/sec., in Live View shooting: Max. approx. 2.7 shots/sec. (at 1/30 sec. shutter speed, with maximum aperture) Silent continuous shooting: Max. approx. 3.0 shots/sec.
	Max. burst	JPEG Large/Fine: Approx. 110 shots (Approx. 150 shots) RAW: Approx. 18 shots (Approx. 21 shots) RAW+JPEG Large/Fine: Approx. 17 shots (Approx. 19 shots) * Based on Canon's standard testing SD card (Standard: 8 GB, High-speed: 16 GB, UHS-I compatible) and standard testing conditions (High-speed continuous shooting, ISO 100, Standard Picture Style). * Figures in parentheses are the number of shots when a Canon's standard testing UHS-I SD card is used.
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	Not provided
	Flash control	Flash function settings, Flash Custom Function settings
Live View Shooting	Focus method	Dual pixel CMOS AF
	AF operation	One-Shot AF, Servo AF
	AF method	Face+Tracking, Smooth zone, Live 1-point AF Manual focusing (approx. 5x and 10x magnification available for focus check)
	Focusing brightness range	EV -2.5 - 18 (at room temperature, ISO 100, One-Shot AF)
	Metering mode	Evaluative metering (315 zones), Partial metering (approx. 6.3% of Live View screen), Spot metering (approx. 2.7% of Live View screen), Center-weighted average metering
	Metering brightness range	EV 0 - 20 (at room temperature, ISO 100)
	Silent Live View shooting	Provided (Mode 1 and 2)
	Touch Shutter	Provided
	Grid display	3 types
Movie Shooting	Recording format	MP4 * For time-lapse movies: MOV format
	Movie	MPEG-4 AVC/H.264 Variable (Average) bit rate * For 4K time-lapse movies: Motion JPEG
	Audio	AAC
	Movie recording size	Full HD (1920x1080), HD (1280x720) * For time-lapse movies: 4K (3840x2160) and Full HD selectable
	Frame rate	59.94p/29.97p/23.98p (with NTSC) 50.00p/25.00p (with PAL)
	Compression method	Standard (IPB), Light (IPB) * For 4K time-lapse movies: Motion JPEG / Full HD time-lapse movies: ALL-I (For editing/I-only)
	Bit rate	[MP4] Full HD (59.94p/50.00p)/Standard (IPB) : Approx. 60 Mbps Full HD (29.97p/25.00p/23.98p)/Standard (IPB) : Approx. 30 Mbps Full HD (29.97p/25.00p)/Light (IPB) : Approx. 12 Mbps HD (59.94p/50.00p)/Standard (IPB) : Approx. 26 Mbps HD (29.97p/25.00p)/Light (IPB) : Approx. 4 Mbps [MOV]

	4K time-lapse movies (29.97p/25.00p) : Approx. 500 Mbps Full HD time-lapse movies (29.97p/25.00p) : Approx. 90 Mbps
Card performance requirements	[Movie] (Writing/reading speed) Full HD (59.94p/50.00p)/Standard (IPB) : SD Speed Class 10 or faster Full HD (29.97p/25.00p/23.98p)/Standard (IPB) : SD Speed Class 6 or faster Full HD (29.97p/25.00p)/Light (IPB) : SD Speed Class 4 or faster HD (59.94p/50.00p)/Standard (IPB) : SD Speed Class 6 or faster HD (29.97p/25.00p)/Light (IPB) : SD Speed Class 4 or faster [Time-lapse movie] (Reading speed) 4K Time-lapse movie (29.97p/25.00p) : UHS-I 90 MB/sec. or faster Full HD Time-lapse movie (29.97p/25.00p) : UHS-I Speed Class 3 or faster
Focus method	Dual pixel CMOS AF
AF method	Face+Tracking, Smooth zone, Live 1-point AF Manual focusing (approx. 5x and 10x magnification available for focus check)
Movie servo AF	Possible * With movie Servo AF, the subject tracking and AF speed are settable.
Movie digital IS	Possible (Enable/Enhanced)
Focusing brightness range	EV -2.5 - 18 (at room temperature, ISO 100, One-Shot AF, 29.97 fps)
Metering mode	Center-weighted average and Evaluative metering with the image sensor * Automatically set by the focus method
Metering brightness range	EV 0 - 20 (at room temperature, ISO 100, center-weighted average metering)
Exposure control	Auto exposure shooting (Program AE for movie shooting), manual exposure
Exposure compensation	±3 stops in 1/3- or 1/2-stop increments
ISO speed (Recommended exposure index)	Scene Intelligent Auto, Creative Auto: Automatically set within ISO 100 - ISO 25600 P/Tv/Av/B: Automatically set within ISO 100 - ISO 25600, maximum limit settable within ISO 6400 - H2 (equivalent to ISO 102400). M: ISO Auto (automatically set within ISO 100 - ISO 25600), Manual setting within ISO 100 - ISO 25600 (in 1/3- or whole-stop increments), expandable to H (equivalent to ISO 32000/40000), H1 (equivalent to ISO 51200), and H2 (equivalent to ISO 102400) * With highlight tone priority set, the minimum limit will be ISO 200. * The settable range is different for time-lapse movie shooting
ISO speed settings	For movie shooting, you can set the ISO speed range, maximum limit for ISO Auto, and maximum limit for time-lapse movie shooting with ISO Auto
Sound recording	Built-in stereo microphones, external stereo microphone jack provided Sound-recording level adjustable, wind filter provided, attenuator provided
Grid display	3 types
HDR movie shooting	Automatically set in SCN modes

	Time-lapse movie	Movie recording quality (4K, Full HD), Shooting interval (hr., min., sec.), Number of shots, Auto exposure (Fixed 1st frame, Each frame), LCD auto off, and Beep at the time of shooting are settable.
	Video snapshot	Provided (2 sec., 4 sec., 8 sec.)
	Remote control shooting	Provided
	Still photo shooting	Not possible during movie shooting

LCD Monitor	Type	TFT color, liquid-crystal monitor
	Monitor size and dots	Wide 3.0-in. (3:2) with approx. 1.04 million dots
	Brightness adjustment	Manual (7 levels)
	Electronic level	Provided
	Interface languages	25
	Touch screen	Capacitive sensing
	Shooting mode guide	Display on/off settable
	Feature guide	Display on/off settable
	Help display	Provided * Text size settable for Help screen
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, 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 search	Search conditions settable (by rating, date, folder, protected, file type)
	Image browsing method	1 image, 10 images, Specified number, Date, Folder, Movies, Stills, Protect, Rating
	Image	Provided

	rotation	
	Image protection	Provided
	Rating	Provided
	Movie playback	Possible (on LCD monitor or with HDMI)
	Start/end movie scene editing	Provided
	Slide show	All images or images matching the search conditions are played back automatically.
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, Chromatic aberration correction, Diffraction correction)
	Resize	Provided
	Cropping	Provided
Print Ordering	DPOF	Version 1.1 compliant
GPS Functions	Compatible satellites	GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System (QZSS) MICHIBIKI (Japan)
	GPS 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., 15 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	28 functions
	Custom shooting modes	Register under C1/C2 mode
	My Menu	Up to 5 screens can be registered
	Copyright	Text entry and appending possible

	information	
Interface	DIGITAL terminal	Hi-Speed USB equivalent Computer communication, Connect Station CS100 connection
	HDMI mini OUT terminal	Type C (Auto switching of resolution), CEC-compatible
	External microphone IN terminal	3.5 mm diameter stereo mini-jack Directional Stereo Microphone DM-E1 or commercially-available external microphone connectable
	Remote control terminal	For N3-type remote control units
	Wireless remote control	Compatible with Remote Controller RC-6 and Wireless Remote Control BR-E1 (via Bluetooth)
	Eye-Fi card	Supported
Power	Battery	Battery Pack LP-E6N/LP-E6, quantity 1 * AC power usable with household power outlet accessories.
	Battery information	Power source, Battery level, Shutter count, Recharge performance, Battery registration possible
	Number of possible shots	With viewfinder shooting: Approx. 1200 shots at room temperature (23°C/73°F), approx. 1100 shots at low temperatures (0°C/32°F) With Live View shooting: Approx. 380 shots at room temperature (23°C/73°F), approx. 340 shots at low temperatures (0°C/32°F) * With a fully-charged Battery Pack LP-E6N.
	Movie shooting time	Total approx. 2 hr. 40 min. at room temperature (23°C/73°F) Total approx. 2 hr. 20 min. at low temperatures (0°C/32°F) * With a fully-charged Battery Pack LP-E6N, Movie Servo AF disabled, and Full HD 29.97p/25.00p/23.98p Standard (IPB) set.
Dimensions and Weight	Dimensions (W x H x D)	Approx. 144.0 x 110.5 x 74.8 mm / 5.67 x 4.35 x 2.94 in.
	Weight	Approx. 765 g / 26.98 oz. (including battery pack and card)/Approx. 685 g / 24.16 oz. (body only)
Operation Environment	Working temperature range	0°C - +40°C/ 32°F - 104°F
	Working humidity	85% or less

Wi-Fi/NFC/Bluetooth Function

Wi-Fi	Standards compliance	IEEE 802.11b/g/n
	Transmission method	DS-SS modulation (IEEE 802.11b) OFDM modulation (IEEE 802.11g/n)

	Transmission range	Approx. 15 m / 49.2 ft. *When communicating with a smartphone *With no obstructions between the transmitting and receiving antennas and no radio interference
	Transmission frequency (central frequency)	Frequency : 2412 to 2462 MHz Channels : 1 to 11 ch
	Connection method	Camera access point mode, infrastructure* *Wi-Fi Protected Setup supported
	Security	Authentication method: Open system, Shared key, WPA/WPA2-PSK Encryption: WEP, TKIP, AES
	Communication with a smartphone	Images can be viewed, controlled, and received using a smartphone. Remote control of the camera using a smartphone is possible. Images can be sent to a smartphone.
	Transfer images between cameras	Transferring one image, Transferring selected images, Transferring resized images
	Connect to Connect Station	Images can be sent to and saved on Connect Station.
	Remote operation using EOS Utility	Remote control functions and image viewing functions of EOS Utility can be used wirelessly.
	Print from Wi-Fi printer	Images can be sent to a Wi-Fi printer.
	Send images to a Web service	Images in the camera or links to images can be sent to registered Web services.
NFC	Standards compliance	NFC Forum Type 3/4 Tag compliant (dynamic)
Bluetooth	Standards compliance	Bluetooth Specification Version 4.1 compliant (Bluetooth low energy technology)
	Transmission method	GFSK modulation

See	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.

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