Find your own angle.

EOS 60D

you can

Canon

EOS 60D

Discover your creative side with the EOS 60D. Expressing yourself by producing stunning stills or Full HD Movies has never been easier using the vari-angle LCD screen and the advanced creative features.

Tv (Shutter Speed): 1/200
Av (Aperture Value): 8.0
ISO Speed: 200
Lens: EF-S 17-55mm f/2.8 IS USM

Stunning detail

With high resolution imaging, and accomplished low-light performance, the EOS 60D is a photographic tool that will compliment your creativity and allow your photography to flourish.

When it comes to image quality, the EOS 60D has been designed from the ground up to deliver, even in low-light conditions. A high-resolution CMOS sensor works in harmony with Canon's DIGIC 4 image processor to produce images that are rich in detail and low in noise, with excellent colour reproduction.

With a resolution of 18-megapixels, the EOS 60D enables you to capture extraordinary detail and produce huge prints up to A2 in size. The camera's 5400 x 3462 pixel files can be cropped into alternative compositions without sacrificing image quality.

Each pixel on the CMOS sensor has its own micro lens and signal amplifier, to increase the light gathering capability ensuring high sensitivity and low noise, even in low-light conditions. Canon has maximised the sensor's light-collecting photo diode area, providing a wide dynamic range and the ability to hold detail in highlights and shadows.

Data from the EOS 60D's sensor is handled by a DIGIC 4 image processor. 14-bit processing ensures smooth reproduction of tonal and colour gradation, while Canon's high ISO noise reduction algorithm preserves image detail while removing unwanted artefacts.

Peripheral Illumination Correction can be enabled for in-camera correction of light fall-off towards the edges of the frame, and Highlight Tone Priority helps preserve detail in very bright parts of the scene.
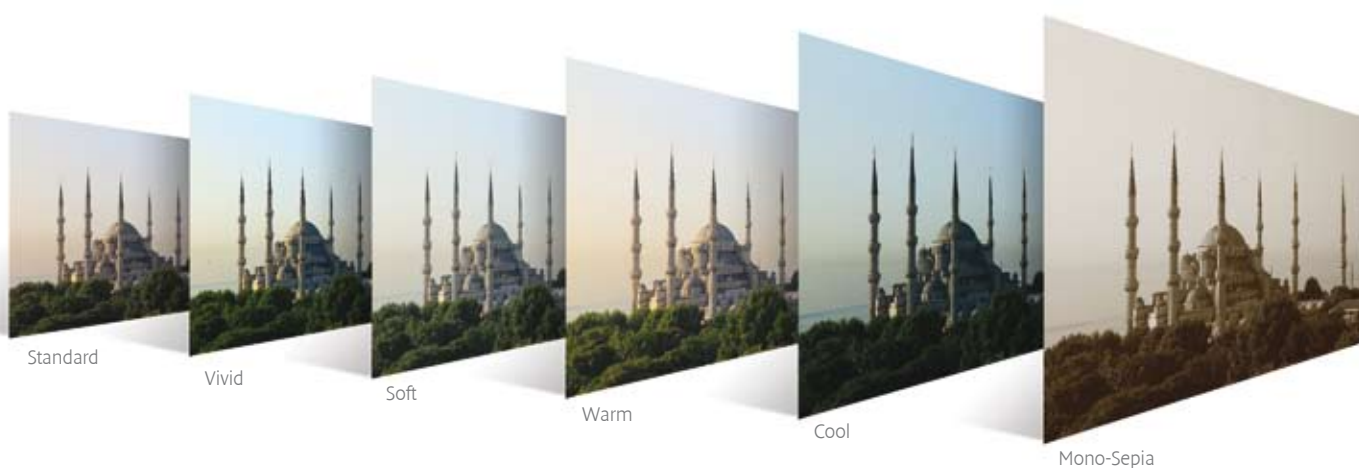
Take creative control

Versatile adjustments to basic shooting modes, for the perfect marriage of creativity and convenience

Standard

Vivid

Soft

Warm

Cool

Mono-Sepia

Basic +

Versatile adjustments to basic shooting modes, for the perfect marriage of creativity and convenience.

Subject-based basic shooting modes pick a combination of aperture, shutter speed and focus mode appropriate to the subject matter being shot. Choose from Creative Auto, Portrait, Landscape, Close-up, Sports and Night portrait.

The EOS 60D's new Basic+ technology now allows these shooting modes to be fine-tuned, enabling a photographer to capture the atmosphere and ambience of an occasion, without sacrificing ease of operability.

Shooting modes can be customised by applying one of nine Ambience settings.

Creative Filters

Four built-in Creative Filters allow photographers to apply effects to RAW and JPEG images after they've been shot. Choose from Soft Focus, Grainy Black & White, Toy Camera, and Miniature effect. Multiple Creative Filter settings can be combined to create new effects, and each setting can be fine tuned before saving a new file.

Standard

Toy camera

Minature effect

Grainy black & white

Multi Aspect Ratio

By offering a choice of four different aspect ratios, the EOS 60D opens up new creative possibilities when it comes to composition. Photographers can choose between conventional 3:2 and 4:3 frames, as well as wide-screen 16:9 and traditional 1:1 square formats.

1:1

4:3

3:2

16:9

Find your own angle

With a high-resolution vari-angle, Clear View LCD screen, the EOS 60D offers superlative playback and Live View image quality, as well as a new approach to creative composition.

The EOS 60D's 7.7cm (3-inch) vari-angle view screen swings away from the camera's body and rotates through 270°, providing access to alternative viewpoints when shooting with Live View. For example, the camera can be positioned low down to emphasise dramatic perspective, or held up high when shooting over the top of crowds. The screen can even be rotated completely towards the subject for self portraits, or positioned for more comfortable video shooting over long periods.

With a resolution of 1,040,000 dots, adjustable brightness and a wide viewing angle, your photography will never fail to impress when shown from the back of the EOS 60D. Live View comes in the form of a 30fps real-time video stream that also allows previews of depth of field and creative effects, such as monochrome.

Full HD Movies

With Full HD movie capture, the EOS 60D lets photographers to mix still images and video together for a new creative approach to photography.

Offering the ability to record 1080p HD video as well as still images, the EOS 60D is truly a multimedia machine. The camera's large, APS-C sized sensor offers new artistic options that are unachievable using conventional video cameras – such as the ability to shoot high quality footage in low light conditions, and control depth of field using lenses designed for stills photography.
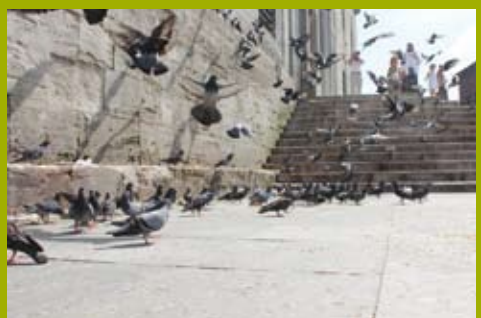
With an invaluable range of manual controls, the EOS 60D offers total control over video capture. Aperture, shutter speed, ISO and even frame rate are all user selectable, allowing you the freedom to capture moving images the way you want. Movies can be recorded at 30, 25 and 24 frames per second using 1920x1080 pixel resolution, and at 50 and 60 frames per second using 1280x720 and 640x480 pixel resolutions.

The camera's Movie Crop function lets you get closer to the action by using only the centre of the sensor, magnifying a scene by up to 7x to 640x480 pixels.

An external microphone can be connected to the EOS 60D, allowing you to record the high quality stereo soundtrack your movies deserve. Sound can be monitored using the built-in digital level meter and recording level adjusted manually to one of 64 settings.

RAW photography

Stepping up to RAW capture offers all manner of benefits to the creative photographer, and the EOS 60D is the perfect tool with which to do it

Put simply, a RAW file is like a digital negative – every piece of pixel data captured by the camera's sensor is preserved, with minimal in-camera processing. Just as a negative needs to be printed, so a RAW file needs to be digitally processed, and by doing this a photographer can unlock improved picture quality and extra editing options.

All data captured by the EOS 60D's 14-bit CMOS sensor is retained in a RAW file – in contrast to a JPEG file, in which some information is lost as the image file is created. As such, RAW files show improved colour gradation in areas of continuous tone and higher levels fine detail. They are also more robust in post-production editing, meaning larger adjustments to exposure, contrast and saturation are possible.

In-camera RAW processing

A new feature in the EOS range, introduced in the EOS 60D, is the ability to process and edit RAW files in camera. Similar adjustments to those found in Digital Photo Professional software can be made while on the move, and the results saved to memory card as JPEG files. Parameters like white balance and sharpening can be modified after shooting, and images can be adjusted for exposure, contrast and colour saturation.

Digital Photo Professional

Supplied with every Canon EOS camera, Digital Photo Professional (DPP) is a professional software package that allows RAW files to be viewed, edited and processed on a PC or Mac. Via its intuitive interface, photographers can adjust images for exposure, colour saturation and brightness, as well as apply settings like white balance, sharpening and noise reduction retrospectively.

Latest versions of DPP can be downloaded at:
www.canon-europe.com/support/software/dpp

In-camera rating

Save valuable time and start your digital workflow on the move. The EOS 60D's in-camera rating facility lets photographers rank JPEG and RAW images on a scale of one to five, with this information being preserved as metadata in photograph. This metadata is then used by software such as DPP or other browsing software to sort images according to preference during post production editing.

Resize

The EOS 60D's in-camera editing functions also extend to image resizing. A JPEG file can be downsized to one of four reduced resolutions, ranging from 3456x2304 pixels to 720x480 pixels. Perfect for preparing web-ready photography on the move.

Accessories

Range of lenses

Canon EF and EF-S lenses compliment perfectly the state-of-the-art sensor in digital cameras like the EOS 60D. Super Spectra coatings virtually eliminate internal reflections that can cause ghosting and flare, while the use of materials like fluorite and Canon's patented Ultra Low Dispersion glass tackle chromatic aberrations.

The autofocus system in many EF and EF-S lenses is driven by an ultrasonic motor – technology that moves the lens to the point of focus extremely quickly and in near silence. Canon's Image Stabilization (IS) technology – found in many telephoto and standard zoom lenses – compensates for vibrations and unwanted camera shake by the equivalent of up to five stops, giving photographers a genuine advantage in low-light conditions.

Canon Speedlite flash photography

Canon's E-TTL II flash technology takes the guesswork out of flash photography, leaving you to concentrate on taking great pictures. External flash units, such as the Speedlite 580EX II, 430EX II and 270EX, are as powerful as they are versatile. Use them as the dominant light source in dark conditions, or as a source of fill-in flash outdoors when strong shadows are present.

The EOS 60D's built-in Speedlite transmitter function means that wireless Speedlites can be positioned off-camera and triggered remotely without the need for additional accessories.

Battery grip

Optional battery grip BG-E9 helps balance the camera when using long lenses and provides a duplicate set of key controls for vertical shooting. Space for an additional Li-ion battery or the option to use widely available AA batteries means you can keep shooting for longer.

Printers

A Canon PIXMA inkjet printer is the perfect partner to the EOS 60D. With some models offering borderless printing up to A3+ in size, the uses for this technology are limited only by your imagination. Fine-art prints, portfolio material, or just photography to share with friends and family can all be produced quickly and quietly, straight from the desktop.

Complimenting the PIXMA range are Canon's imagePROGRAF large-format printers, which can produce stunning images up to A1 in size. Additionally, Canon's compact SELPHY printers are the perfect solution for those producing large numbers of small prints in the home.

Only Canon can offer this total imaging solution, from capture to output, ensuring that you stay in control of your photography at all times.
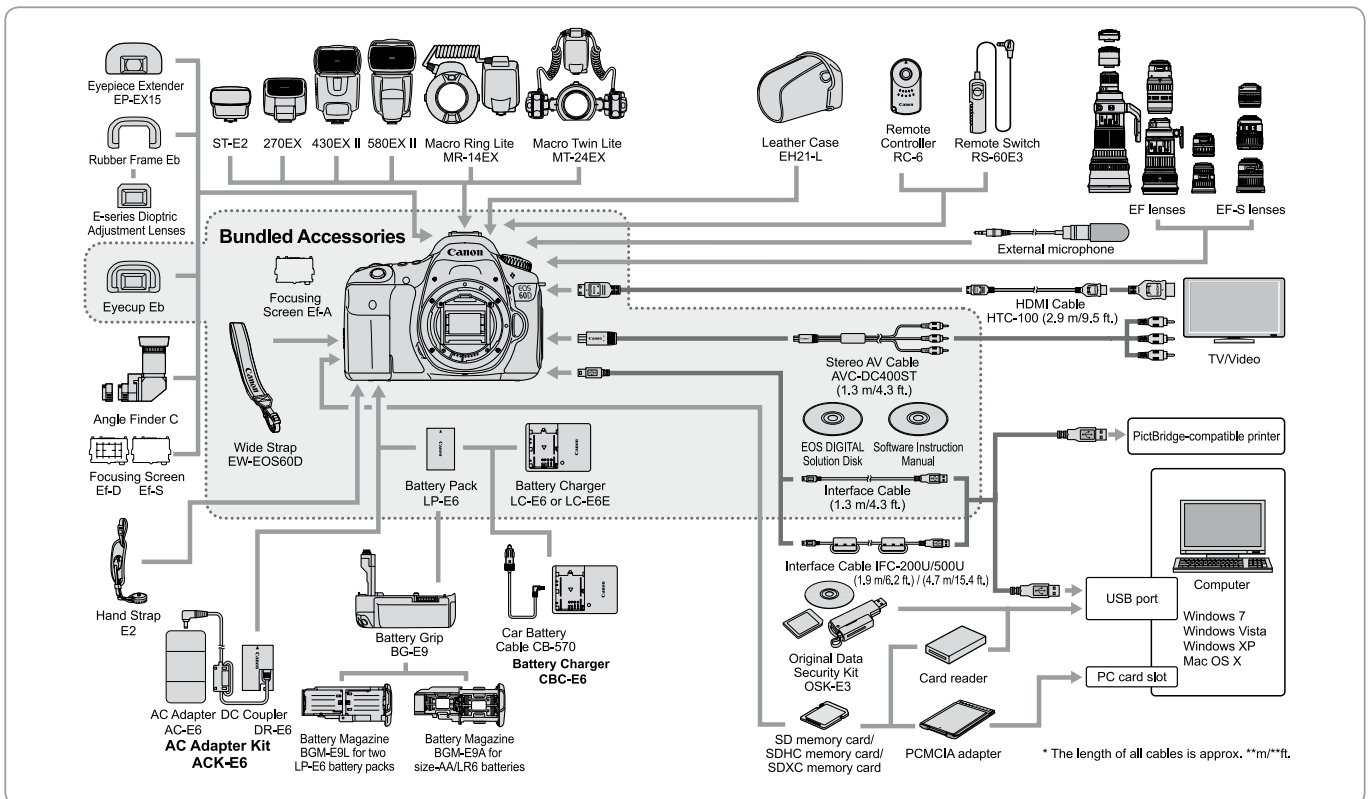
Tv (Shutter Speed): 30
Av (Aperture Value): 14
ISO Speed: 100
Lens: EF-S 10-22mm f/3.5-4.5 USM

System Chart

Eyepiece Extender
EP-EX15

Rubber Frame Eb

E-series Dioptric
Adjustment Lenses

Eyecup Eb

Angle Finder C

Focusing Screen
Ef-D   Ef-S

Hand Strap
E2

AC Adapter   DC Coupler
AC-E6   DR-E6
**AC Adapter Kit
ACK-E6**

ST-E2 270EX 430EX Ⅱ 580EX Ⅱ Macro Ring Lite   Macro Twin Lite
                                    MR-14EX   MT-24EX

Bundled Accessories

Focusing
Screen Ef-A

Wide Strap
EW-EOS60D

Battery Magazine
BGM-E9L for two
LP-E6 battery packs

Battery Magazine
BGM-E9A for
size-AA/LR6 batteries

Battery Grip
BG-E9

Battery Pack
LP-E6

Battery Charger
LC-E6 or LC-E6E

Car Battery
Cable CB-570
**Battery Charger
CBC-E6**

Leather Case
EH21-L

Remote
Controller
RC-6

Remote Switch
RS-60E3

EF lenses   EF-S lenses

External microphone

HDMI Cable
HTC-100 (2.9 m/9.5 ft.)

TV/Video

Stereo AV Cable
AVC-DC400ST
(1.3 m/4.3 ft.)

EOS DIGITAL   Software Instruction
Solution Disk   Manual

Interface Cable
(1.3 m/4.3 ft.)

Interface Cable IFC-200U/500U
(1.9 m/6.2 ft.) / (4.7 m/15.4 ft.)

Original Data
Security Kit
OSK-E3

Card reader

SD memory card/
SDHC memory card/
SDXC memory card

PCMCIA adapter

PictBridge-compatible printer

Computer

Windows 7
Windows Vista
Windows XP
Mac OS X

USB port

PC card slot

* The length of all cables is approx. **m/**ft.

Specification: EOS 60D

IMAGE SENSOR

Type	22.3mm x 14.9mm CMOS
Effective Pixels	Approx. 18.00 megapixels
Total Pixels	Approx. 19.00 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed
Sensor Cleaning	EOS integrated cleaning system with fluorine coating
Colour Filter Type	Primary Colour

IMAGE PROCESSOR

Type	DIGIC 4

LENS

Lens Mount	EF/EF-S
Focal Length	Equivalent to 1.6x the focal length of the lens

FOCUSING

Type	TTL-CT-SIR with a CMOS sensor
AF System/ Points	9 cross-type AF points (f/2.8 at centre)
AF working range	EV -0.5 - 18 (at 23ºC & ISO100)
AF Modes	AI Focus, One Shot, AI Servo
AF Point Selection	Automatic selection, Manual selection
Selected AF point display	Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
Predictive AF (6)	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	Intermittent firing of built-in flash or emitted by optional dedicated Speedlite
Manual Focus	Selected on lens, default in Live View Mode
AF Microadjustment	No

EXPOSURE CONTROL

Metering modes	TTL full aperture metering with 63 zone SPC (1) Evaluative metering (linked to all AF point) (2) Partial metering (approx. 6.5% of viewfinder at centre) (3) Spot metering (approx. 2.8% viewfinder at centre) (4) Centre weighted average metering
Metering Range	EV 0-20 (at 23ºC 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 creative zone modes.
Exposure Compensation	+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB)
AEB	3 Shots +/-3 EV 1/3 or 1/2 stop increments
ISO Sensitivity (7)	Auto (100-3200), 100-6400 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 12800

SHUTTER

Type	Electronically-controlled focal-plane shutter
Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)

WHITE BALANCE

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, 1 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. 96%
Magnification	Approx. 0.95x (3)
Eyepoint	Approx. 22mm (from eyepiece lens centre)
Dioptre Correction	-3 to +1 m-1 (dioptre)
Focusing Screen	Interchangeable (3 types, optional). Standard Focusing Screen Precision Matte Ef-A
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF 600mm f/4 or shorter)
Viewfinder Information	AF information: AF points, focus confirmation light. Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, spot metering circle, exposure warning, AEB. Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light. Image information: White balance correction, Card information, monochrome shooting, maximum burst (2 digit display), Highlight tone priority (D+). Composition information: Electronic level (Horizontal only), Battery check
Depth of field preview	Yes, with Depth of Field preview button.
Eyepiece shutter	On strap

LCD MONITOR

Type	Vari angle 7.7cm (3.0") 3:2 Clear View TFT, approx. 1040K dots
Coverage	Approx. 100%
Viewing Angle (horizontally/vertically)	Approx 160°
Coating	Dual Anti-reflection
Brightness Adjustment	Adjustable to one of seven levels
Display Options	(1) Quick Control Screen (2) Camera settings (3) Electronic Level

FLASH

Built-in Flash GN (ISO 100, meters)	13
Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 28mm)
Built-in Flash recycle time	Approx. 3 seconds
Modes	Auto, Manual flash, Integrated Speedlite Transmitter
Red-Eye Reduction	Yes
X-sync	1/250sec
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/ No
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support
External Flash Control	via camera menu screen

SHOOTING

Modes	Auto, No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, Movie, Program AE , Shutter priority AE, Aperture priority AE, Manual, Custom
Picture Styles	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, Basic+ (Shoot by ambience selection, Shoot by lighting or scene type), Creative filters (Grainy B/W, Soft focus, Toy camera, Miniature effect) - during image Playback only, RAW image processing - during image Playback only
Drive modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote)
Continuous Shooting	Max. Approx. 5.3fps. (speed maintained for minimum of approx 58 images (JPEG)(1), 16 images (RAW)) (2)

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 (x2), Histogram, Multi aspect ratios, Electronic level

FILE TYPE

Still Image Type	JPEG: Fine, Normal (Exif 2.3 compliant) / Design rule for Camera File system (2.0), RAW: RAW, M-RAW, S-RAW (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, M-RAW + JPEG, S-RAW + JPEG possible.
Image Size	JPEG 3:2: (L) 5184x3456, (M) 3456x2304, (S1) 2592x1728, (S2) 1920x1280, (S3) 720x480 JPEG 4:3: (L) 4608x3456, (M) 3072x2304, (S1) 2304x1728, (S2) 1696x1280, (S3) 640x480 JPEG 16:9: (L) 5184x2912, (M) 3456x1944, (S1) 2592x1456 (S2) 1920x1080, (S3) 720x400 JPEG 1:1: (L) 3456x3456, (M) 2304x2304, (S1) 1728x1728, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 5184x3456, (M-RAW) 3888x2592, (S-RAW) 2592x1728
Movie Type	MOV (Video: H.264, Sound: Linear PCM)
Movie Size	1920 x 1080 (29.97, 25, 23.976 fps) 1280 x 720 (59.94, 50 fps) 640 x 480 (59.94, 50 fps)
Movie Length	Max duration 29min 59sec, Max file size 4GB
Folders	New folders can be manually created and selected
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES

Custom Functions	20 Custom Functions with 59 settings
Metadata Tag	User copyright information (can be set in camera), Image rating (0-5 stars)
LCD Panel / Illumination	Yes / Yes
Water/ Dust resistance	Yes (5)
Sound Memo	
Intelligent Orientation Sensor	Yes
Playback zoom	1.5x - 10x
Display Formats	(1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) Magnified view
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	Original image verification data can be appended to the image (OSK-E3 required for verification)
Menu Categories	(1) Shooting menu (x4) (2) Playback menu (x2) (3) Setup menu (x3) (4) Custom Functions menu (5) 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

Computer	Hi-Speed USB
Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5mm Stereo mini jack)

DIRECT PRINT

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

STORAGE

Type	SD card, SDHC card or SDXC card

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, Original Data Security Tools*), Picture Style Editor * Requires optional accessory

POWER SOURCE

Batteries	Rechargeable Li-ion Battery LP-E6 (supplied), built in for date & settings
Battery life	Approx. 1100 (at 23ºC, AE 50%, FE 50%) (4) Approx. 1000 (at 0ºC, AE 50%, FE 50%)
Battery Indicator	6 levels + percentage
Power saving	Power turns off after 1, 2, 4, 8, 15 or 30mins
Power Supply & Battery Chargers	AC Adapter Kit ACK-E6, Battery charger LC-E6, Car Battery charger CBC-E6

PHYSICAL SPECIFICATIONS

Body Materials	Aluminium and polycarbonate resin with glass fibre
Operating Environment	0 - 40 ºC, 85% or less humidity
Dimensions (WxHxD)	144.5 x 105.8 x 78.6mm
Weight (body only)	Approx. 755g (CIPA testing standard, including battery and memory card)

ACCESSORIES

Viewfinder	Eyecup Eb, E-series Dioptric Adjustment Lens Focusing Screens Ef (with Grid Ef-D, Super Precision Matte Ef-S), Angle Finder C
Case	Leather case EH21-L
Wireless File Transmitter	Compatible with Eye-Fi cards
Lenses	All EF and EF-S lenses
Flash	Canon Speedlites (220EX, 270EX, 380EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2)
Battery Grip	BG-E9
Remote Controller/ Switch	Remote Switch RS-60E3, Remote Controller RC-6/ RC-1/ RC-5
Other	Hand Strap E2, Original Data Security Kit OSK-E3

All data is based on Canon standard testing methods except where indicated. Subject to change without notice.

1 Large/Fine(Quality 8) resolution
2 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.
3 with 50mm lens at infinity, -1m-1 dpt
4 Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated
5 Memory card and battery door only
6 with EF 300mm f/2.8L IS USM at 50kph
7 Recommended Exposure Index

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