



# Remarkable image quality

State-of-the-art imaging technology ensures that Canon EOS 600D captures stunning images in every situation.







Cropped image without loss of quality



#### 18-megapixel resolution

Thanks to its 18-megapixel CMOS sensor, the EOS 600D sees the world in stunning high resolution. Pictures are packed with detail, and the camera's 5184 x 3456 pixel image files can be printed at large sizes for maximum impact. Such resolution also allows for extensive cropping of photographs in post-production, opening up new creative avenues and alternative compositions.









#### CMOS sensor technology

Only Canon controls every aspect of CMOS sensor design, from concept and design through to manufacture and realisation. This means that each EOS camera uses a sensor that is specifically designed for the job in hand.

Each light-sensitive photodiode on a Canon CMOS sensor is fitted with its own micro lens and signal amplifier to provide extraordinary sensitivity in low-light conditions. Such technology allows the EOS 600D to shoot with a sensitivity range of ISO 100-6400, expandable to ISO12,800 in extreme conditions.



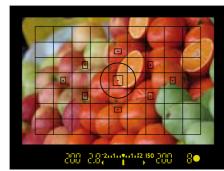






#### 14-bit DIGIC 4 image processor

At the heart of the EOS 600D is Canon's DIGIC 4 image processor, which controls all aspects of the camera's operation, including conversion of raw sensor data into image files. The DIGIC 4's fast, efficient design enables the EOS 600D to shoot full-resolution images continuously at 3.7fps, while 14-bit architecture provides exceptional tonal range and colour depth. The DIGIC 4 also helps to reduce noise at high ISO sensitivities, enabling flash-free shooting in low-light conditions.





#### iFCL exposure metering

Canon's state-of-the-art iFCL exposure metering system analyses each scene by dissecting it into 63 separate zones. Luminance and colour information, as well as data from the camera's focusing system, is then also used to help calculate the perfect exposure settings, even in tricky lighting conditions.



Tv (Shutter Speed): 1/640 Av (Aperture Value): f/8.0

Lens: EF70-200mm f/2.8L USM 18 MP sensor provides great detail

ISO Speed: 100



#### 9-point wide-area autofocus

Nine autofocus points, spread out across the frame in a diamond formation, enable accurate focusing even in the toughest lighting conditions. Subjects in the middle of the frame, as well as those off centre, are tracked and focus-locked quickly and accurately. A central, cross-type sensor provides extra precision, being sensitive to both vertical and horizontal lines.



# Full-HD quality The EOS 600D allows photographers to shoot stunning Full-HD movie footage in 1080p resolution, and explore creative

opportunities that are not possible with

conventional camcorders.

EOS Movie

Using lenses from the extensive EOS range enables photographers to work in low light and take tight control over depth of field, restricting focus and producing beautiful background blur. Full manual control is provided over frame rate, exposure and focus.

## Full HD Movies

Whether you are grabbing movie clips on holiday, or working on your latest short film, the EOS 600D's HD video features will open new creative doors.





#### Video snapshot

Improve the quality of your movie footage with Canon's Video Snapshot technology. Users can capture short movie clips of 2, 4 or 8 seconds as easily as shooting a still picture. The EOS 600D then combines these clips into a single, high-quality movie file that has the look and feel of professionally edited footage. Video has never been this easy, or looked so good.



#### **Movie Digital Zoom**

Using the central portion of its 18-megapixel sensor, the EOS 600D can magnify video footage by between three and ten times, getting you closer to the action while still maintaining Full-HD video quality at 1920x1080 resolution.

#### Digital quality stereo sound

The EOS 600D uses 48KHz, 16-bit stereo recording to give your movies the high-quality soundtrack they deserve. Recording level can be adjusted manually to one of 64 settings and monitored using an on-screen level meter. An external microphone, connected via a standard 3.5mm mini plug, further improves sound quality.



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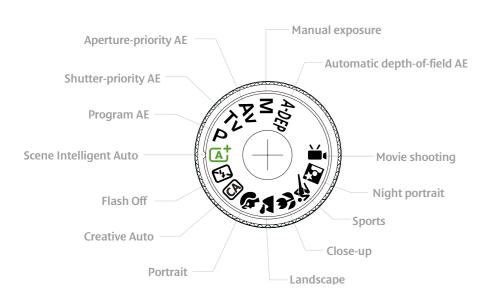
Movie Digital Zoom – 100%





# Scene Intelligent Auto

Not just another Scene mode, the EOS 600D Scene Intelligent Auto mode individually assesses every picture you take, as you take it – picking the right combination of settings each and every time.



Canon's unique Scene Intelligent Auto technology makes it easier than ever before to shoot every picture with the perfect combination of camera settings. Each scene is first analysed in detail for elements such as the presence of movement, and during Live View, faces. Lighting conditions are assessed and colour and contrast are measured. Even distance information from the cameras AF system is taken into account.

In a split second this information is combined and used to set all of the camera's main functions automatically. Exposure parameters, as well as white balance and focus mode, are chosen according to what is in front of the lens, and a unique Picture Style comprising colour saturation, contrast and sharpness is formulated. Even the EOS 600D's Auto Lighting Optimiser is fine-tuned according to dynamic range, so that highlights and shadows are rendered perfectly.

Scene Intelligent Auto does all of this so that you can concentrate on being creative. Compose and shoot fantastic images safe in the knowledge that each and every camera setting has been carefully considered and chosen for you.



# Photography, made easy



With its intelligent design and user-friendly features, the EOS 600D makes great quality, creative photography easier to achieve than ever before.





#### Scene modes and Basic + technology

The EOS 600D's scene modes select a combination of aperture, shutter speed, ISO and focus mode that is appropriate to the subject matter being photographed. Users can choose from Creative Auto, Portrait, Landscape, Close-up, Sports and Night Portrait, and are able to fine-tune each of these modes with Basic + technology.

Basic + was developed to allow photographers to express their creative intent. Each shooting mode can be customised with one of nine ambience settings or seven lighting types, allowing the atmosphere of an occasion to be captured without compromising ease of use.



Creative Filters

#### **Creative Filters**

Express yourself by applying Creative Filter effects to images after they have been shot. Choose from Soft Focus, Grainy Black & White, Toy Camera, Miniature Effect and Fisheye Effect. Filters can even be applied to an image more than once for combination effects and the results saved to card as a new JPEG file.













#### Vari-angle LCD screen

A 7.7cm (3-inch) vari-angle LCD screen swings away from the camera's body and rotates through 270-degrees, providing access to alternative shooting angles.

Photographing architecture from a dramatic low-down viewpoint, or portraits from waist level, becomes easy and intuitive. The vari-angle design even makes it possible to shoot over the top of crowds and compose self portraits.

With a resolution of 1,040,000-dots, the EOS 600D's LCD screen is a joy to use for both still-image and video shooting. Live View can be used to preview depth of field as well as creative effects, like black & white photography.





Tv (Shutter Speed): 1/1250

Av (Aperture Value): f/2.8 ISO Speed: 100

With portraits use a shallow depth of field to isolate the subject from the background

Lens: EF 100 f/2.8L Macro IS USM





# Advanced features. Simple design

With its blend of sophisticated technology and user-friendly design, the EOS 600D performs in the hands of every photographer, no matter how experienced.



Quick Control Screen



Feature Guide

## Quick Control Screen and on-screen Feature Guide

Showing the status of the camera at a glance, and enabling quick access to virtually all shooting functions, the EOS 600D's Quick Control Screen is an intuitive and userfriendly design feature. It may be accessed at any time by pressing the easily accessible Q button on the rear of the camera.

An on-screen Feature Guide is displayed whenever options are selected from the Quick Control Screen or when exposure modes are selected from the main mode dial. The Feature Guide provides descriptions of the camera's modes and functions and advice on how to use them – the ideal tool for learning about EOS photography.



Image Rating

#### Image ratings and copyright metadata

Begin your digital workflow while you are still in the field, and save time when editing back at home. The EOS 600D allows images to be ranked according to a star-rating system while they are being viewed in camera. This information is preserved in the file's metadata and can be read by applications such as Canon's Digital Photo Professional (DPP) and other third party software, allowing you to quickly identify the shots you wish to work on further.

Additionally, copyright data can be inserted automatically into the metadata of each image as it's captured, asserting your identity as the image's author.



Built-in flash

#### Creative off-camera flash made easy

The EOS 600D's integrated wireless flash transmitter makes remote wireless flash photography easier than ever before.

Multiple Canon Speedlite flashguns can be positioned off-camera and triggered without the need for additional accessories. What's more Canon's new Easy Wireless technology simplifies the set up process, meaning you can focus on being as creative as possible with your lighting.

Flashes can be grouped together and controlled on different wireless channels allowing photographers to control lighting ratios easily.

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# Welcome to the EOS system



The EOS system is about more than just digital cameras. It's a collection of superb lenses, sophisticated flashes and versatile accessories that are trusted the world over by enthusiasts and professional photographers alike.

#### Some of the 60+ lenses in the EOS system

Landscape Wildlife





EF-S 18-200mm

Portrait



EF 50mm f/1.4 USM



EF-S 17-55mi



EF-S 60mm f/2. Macro USM

#### Canon EF lenses and accessories

The Canon EOS 600D is compatible with accessories such as remote controls, and more than 60 EF and EF-S lenses. From ultra wide-angle to super-telephoto, there is a Canon lens for every type of photography, whether you are looking for a versatile zoom or a specialist prime lens.

Exceptional lens technology gives Canon photographers the advantage. Image Stabilisation allows hand-held photography with shutter speeds up to four stops longer than usual without camera shake. Ultra-Low Dispersion (UD), Super UD and Fluorite lens elements tackle chromatic aberrations (or coloured fringing), while Aspherical elements correct for spherical aberrations, maintaining sharpness across the frame.

Ultrasonic AF motors provide rapid, nearsilent focusing with excellent accuracy.

#### Speedlite flash

Powerful and versatile – Canon Speedlite flashguns allow you to go beyond what is possible with a camera's built-in flash and explore new imaginative lighting opportunities. For example, used in the camera's hotshoe, a Canon Speedlite 430EX II offers more power for increased range, as well as features like a 180-degree bounce and swivel head. This enables flash to be bounced off walls and ceilings, giving a softer, more flattering, look to portraits.

Canon Speedlites can also be used off-camera, triggered wirelessly and without additional accessories thanks to the EOS 600D's built-in wireless trigger. Off-camera flash lets a photographer to illuminate their subject from any angle, and use creative flash to create whatever look and feel they wish.

The EOS 600D is compatible with all EX-series Speedlite Flashguns, and makes use of the continuous light source built into the Speedlite 320EX, which can be activated automatically during video mode in low-light conditions.

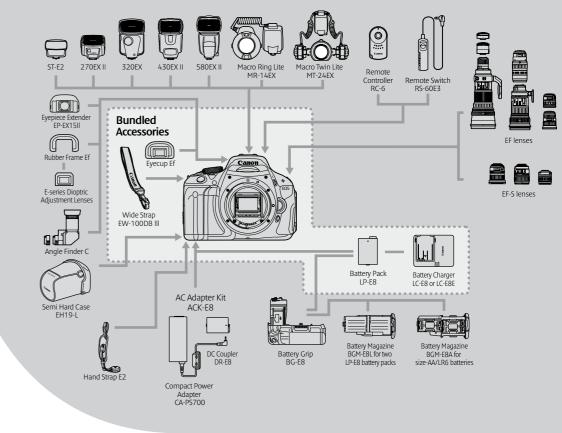
#### Flashes



Cause

Speedlite 270E

### System Chart



## Digital Photo Professional and EOS Solution software

Supplied with every Canon EOS camera, Digital Photo Professional (DPP) is professional imaging software for viewing, editing and processing RAW and JPEG files. Its intuitive interface allows photographers to adjust images for exposure, colour saturation and contrast as well as apply settings such as white balance and sharpening retrospectively.

Also included on the EOS Solution disk are other applications that add new functionality to your EOS camera. ZoomBrowser EX (PC) and ImageBrowser (Mac) offer simple download and image browsing, while EOS Utility provides remote and tethered shooting facilities. Picture Style Editor lets photographers create and edit their own picture styles and upload them to their cameras.

## Canon Photographic Printing

Canon's range of PIXMA inkjet printers allow EOS photographers to make fine-art quality prints at home. Tiny ink-droplet sizes deliver remarkable image quality and phenomenal levels of detail in borderless print up to A3+ in size. Canon SELPHY dye-sublimation printers offer the speed and affordability of a high-street minilab in a compact and easy-to-use form.



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## Specifications: EOS 600D

Specified	10113. 203 00
IMAGE SENSOR	
Type Effective Pixels Total Pixels Aspect Ratio Low-Pass Filter Sensor Cleaning Colour Filter Type	22.3 x 14.9mm CMOS Approx 18.0 megapixels Approx 18.7 megapixels 3:2 Built-in/Fixed EOS integrated cleaning system Primary Colour
IMAGE PROCESSOR	
Туре	DIGIC 4
LENS Lens Mount	EF/EF-S
Focal Length	Equivalent to 1.6x the focal length of the lens
FOCUSING	
AF System/ Points  AF working range  AF Modes  AF Point Selection  Selected AF point display	TTL-CT-SIR with a CMOS sensor 9 AF points (f/5.6 cross type at centre, extra sensitivity at f/2.8) EV-0.5-18 (at 23°C s ISO100) Al Focus, One Shot, Al Servo Automatic selection, Manual selection Superimposed in viewInder and indicated on LCD monitor
Predictive AF (7) AF Lock	Yes up to 8m Locked when shutter button is pressed
AF Assist Beam	half way in One Shot AF mode. Intermittent firing of built-in flash or emitted
Manual Focus	by optional dedicated Speedlite 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 points) (2) Partial metering at center (approx. 9% of viewfinder) (3) Spot metering (approx. 4% of viewfinder at center) (4) Center weighted average metering
Metering Range AE Lock	(4) Center weighted average metering EV 1-20 (at 23 <sup>et</sup> with 50mm f/1 4. lens ISO100) Auto: In 1-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock button in creative zone modes.
Exposure Compensation AEB	+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB). 3 shots +/- 2 EV. 1/2 or 1/3-stop increments
ISO Sensitivity (8)	AUTO(100-6400), 100-6400 Expandable to H (approx 12800) in 1-stop increments
SHUTTER	El de la
Type Speed	Electronically-controlled focal-plane shutter 30-1/4000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
WHITE BALANCE	A second transfer of the second secon
Type Settings Custom White Balance WB Bracketing	Auto white balance with the imaging sensor AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom. White balance compensation:  1. Blue/Amber +/-9 +/-9  2. Magenta/ Green +/-9; Yes, 1 setting can be registered +/-3 levels in single level increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.
VIEWFINDER	
Type	Pentamirror
Coverage (Vertical/ Horizontal) Magnification Eyepoint Dioptre Correction Focusing Screen Mirror	Approx. 9.5%  Approx. 0.85x (4) Approx. 19mm (from eyepiece lens centre) -3 to +1 m-1 (dioptre) Fixed Quick-return half mirror (Transmission:
Viewfinder Information  Depth of field preview	reflection ratio of 40:50, no mirror cut-off with EF600mm f/4 or shorm f/4 or short

Vari angle 7.7cm (3.0") 3:2 Clear View TFT, approx. 1040K dots Approx. 100% Approx 170°

FLASH Built-in Flash GN (ISO 100, meters) Built-in Flash Coverage up to 17mm focal length (35mm equivalent: 27mm) Approx. 3 seconds Auto, Manual flash, Integrated Speedlite Transmitter Yes: with red eye reduction lamp 1/200sec +/- 2EV in 1/2 or 1/3 increments Built-in Flash recycle time Modes Red-Eye Reduction X-syno Flash Exposure Compensation Flash Exposure
Compensation
Flash Exposure
Bracketing
Flash Exposure Lock
Second Curtain
Synchronisation
HotShoe/ PC terminal Yes, with compatible External Flash Yes/ -E-TTL II with EX series Speedlites, wireless multi-flash support via camera menu screen External Flash Compatibility External Flash Control Scene Intelligent Auto, No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, Movie, Program AE, A-DEP, Shutter priority AE, Aperture priority AE, Parture priority AE, Monochrome, User Defined (x3) sRGB and Adobe RGB edition, Company and Parture Parture Auto Lighting Optimizer (4 settings) Long exposure noise reduction (4 settings) Long exposure noise reduction (4 settings Auto Correction of Lens Peripheral illumination Basic- (Shoot by ambience selection, Shoot by lighting or scene bype) Creative filters (Grainy BAW, Soft focus, Toy camera, Miniature effect, Fishe-eye) - during image Playback only Single. Continuous, Self timer (2s, 10s+remote, 10s+continuous Self timer (3 settings) RAW (2) 6 images RAW (2) SHOOTING Modes Picture Styles Colour Space Image Processing Drive modes Continuous Shooting LIVE VIEW MODE Electronic viewfinder with image sensor Approx. 99% (horizontally and vertically) Approx. 99% (horizontally and vertically) 30 fps Manual Focus (Magnify the image 5x or 10x Manual Focus (Magnify the image 5x at any point on screen)
Autofocus: Quick mode, Live mode Real-time evaluative metering with image sensor Active metering time can be changed Grid overlay, Histogram Display Options FILE TYPE JPEG: Fine, Normal (Exif 2.30 compliant) / Design rule for Camera File system (2.0), RAW: RAW (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Still Image Type RAW+JPEG simultaneous recording Image Size JPEG 3:2: (L) 5184x3456, (M) 3456x2304, (S1) 2592x1728, (S2) 1920x1280, (S1) 2392X128(,32) 1320X1280, (S3) 720X480 JPEG 4:3: (L) 4608x3456, (M) 3072x2304, (S1) 2304x1728, (S2) 1696x1280, (S3) 640x480 (53) 640x480 JPEG 16:9: (L) 5184x2912, (M) 3456x1944, (51) 2592x1456 (52) 1920x1080, (53) 720x400 JPEG 11: (L) 3456x3456, (M) 2304x2304, (51) 1728x1728, (52) 1280x1280, JPEG 1:1: (L) 3456x3456, (M) 2304x2304, (S1) 1728x1728, (S2) 1280x1280, (S3) 480x480 (S3) 480x480 (S3) 480x480 (MOV (Video: H.264, Sound: Linear PCM) 1920 x 1080 (22.97.2.5; 23.976 (ps) 1280 x 720 (59.94, 50 fps) 640 x 480 (59.94, 50 fps) Max duration 29min 59sec, Max file size 4GB New folders can be manually created and selected. Movie Type Movie Size Movie Length Folders selected
(1) Consecutive numbering
(2) Auto reset
(3) Manual reset File Numbering OTHER FEATURES 11 Custom Functions with 34 settings User copyright information (can be set in camera) Image rating (0-5 stars) Intelligent Orientation Sensor Playback zoom Display Formats 1.5x - 10x enabled in 15steps
(1) Single image with information (2 levels)
(2) Single image
(3) 4 image index
(4) 9 image index
(5) Jump Display
Image selection: All images, by Date,
by Folder, Movies, Stills
Payback time 1/20/3/5 seconds
Repeat On/Off
Brightness: Yes
RGB: Yes Slide Show Histogram

Image Erase/Protection Erase: Single image, All images in folder Checkmarked images, unprotected images Protection: Erase protection of one image at a time
(1) Shooting menu (x4)
(2) Playback menu (x2)
(3) Setup menu (x3)
(4) My Menu Menu Categories (4) My Menu 25 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Nonwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese Update possible by the user. Menu Languages Firmware Update INTERFACE Hi-Speed USB Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5mm Stereo mini jack) Computer Other DIRECT PRINT Canon Compact Photo Printers and PIXMA Printers supporting PictBridge Canon Printers PictBridge STORAGE SD card, SDHC card or SDXC card Туре SUPPORTED OPERATING SYSTEM Windows XP inc SP3 / Vista inc SP1 and SP2 (excl. Starter Edition) / 7 (excl. Starter Edition) OS X v10.5-10.6 (Intel processor required) PC & Macintosh SOFTWARE ZoomBrowser EX / ImageBrowser Digital Photo Professional PhotoStitch, EOS Utility (inc. Remote Capture), Picture Style Editor Browsing & Printing Image Processing Other POWER SOURCE 1 x Rechargeable Li-ion Battery LP-E8 Approx. 440 (at 23°C, AE 50%, FE 50%) (5 Approx. 400 (at 0°C, AE 50%, FE 50%) 4 levels Power turns off after 30sec or 1, 2, 4, 8 or 15mins. AC Adapter Kit ACK-E8, Battery charger LC-E8, LC-E8E Batteries Battery life Battery Indicator Power saving Power Supply & Battery Chargers PHYSICAL SPECIFICATIONS Body Materials Stainless Steel and polycarbonate resin with glass fiber
0 – 40 °C, 85% or less humidity
133.1 x 99.5 x 79.7 mm
Approx. 570g (CIPA testing standard, including battery and memory card) Operating Environment Dimensions (WxHxD) Weight (body only) ACCESSORIES Eyecup Ef, E-series Dioptric Adjustment Lens with Rubber Frame Ef. Eyepiece Extender EFPEXTSII, Angle Finder C Semi-Hard Case EH19-L Compatible with Eye-Fi cards All EF and EF-S lenses Canon Speediles (220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 1, 550EX, 580EX, 580EX, 1, Macro-Ring-Line, MR-14EX, Macro Twin Line MT-24EX, Speedlite Transmitter, ST Viewfinder Case Wireless File Transmitter Lenses Flash Transmitter ST-E2)
BG-E8
Remote Switch RS-60E3, Remote Controller
RC-6 Battery Grip Remote Controller/ Switch Other Hand Strap E2 All data is based on Canon standard testing methods except where indicated. Subject to change without notice. Large/Fine(Quality 8) resolution 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. Custom functions etc. Compatible with large memory card capacities, including cards of 2GB and more (camera may require firmware update). with 50mm lens at infinity. -Im- 1GB assed on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated Memory card and battery door only with EF300mm ft/2.8L IS USM at 50kph Recommended Exposure Index Environmental protection Some images are simulated for clarity of reproduction. All company and/or product names are trademarks and/or registered trademarks or their respective manufacturers in their markets and/or countries



Depth of field preview Eyepiece shutter

Coverage Viewing Angle (horizontally/vertically) Coating

Brightness Adjustment Display Options

LCD MONITOR

Туре

Canon Inc. canon com

Yes, with Depth of Field preview button.
On strap

Dual Anti-reflection, anti smudge

Adjustable to one of seven levels
(1) Quick Control Screen
(2) Camera settings

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Highlight Alert

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