POWER TO YOUR NEXT STEP

We all have a next step. Capture the moment at seven frames per second.

EOS 70D

you can

Canon
Capture the moment at seven frames per second

20.2 megapixel sensor and DIGIC 5+ processing
The EOS 70D’s APS-C sized 20.2-megapixel CMOS sensor strikes a balance between high resolution and low noise. Create images that are full of rich detail, subtle tones and natural colour. A 14-bit DIGIC 5+ image processor ensures smooth gradation of colour and fast, responsive performance.

Dual Pixel CMOS AF
Sophisticated autofocus for photos and movies
Dual Pixel CMOS AF delivers swift, continuous focusing in Live View mode, and smooth, high performance focus tracking when shooting Full-HD movies. When composing using the camera’s viewfinder, 19 cross-type AF points spread across the frame allow fast-moving subjects to be followed precisely.

Wi-Fi connectivity with advanced handling and design
Wi-Fi connectivity enables remote control of the EOS 70D from your smartphone, tablet or home computer, as well as providing convenient image sharing. An intuitive touch screen provides fast access to camera settings and makes reviewing images quick and easy.

Capture the moment at seven frames per second

Tv (Shutter Speed): 1/2500 sec
Av (Aperture Value): f/5.0
ISO Speed: 400
Lens: EF 70-200mm f/2.8L IS II USM Extender EF 1.4x III
Focal length: 235.0 mm
For image quality you’ll love

Capture the beauty of the world around you. Photos from the EOS 70D are packed with detail, rich colour and subtle tones.

20.2 megapixel resolution
A high-resolution 20.2 megapixel sensor captures the world with extraordinary clarity and depth. Files can be printed at large sizes—perfect for framing and use in portfolios. Such high-resolution images can also be cropped easily while maintaining quality—great for isolating distant subjects and adjusting your final composition.

DIGIC 5+ processing
At the heart of the EOS 70D is a DIGIC 5+ processor, which works with the camera’s CMOS sensor to provide responsive camera performance and create image files that are low in noise and rich in detail. Using 14-bit processing the DIGIC 5+ reproduces subtle tonal gradations and natural skin tones.
High performance shooting

Advanced autofocus with 19 cross-type AF points and Dual Pixel CMOS AF

Track fast-moving subjects accurately and customise the EOS 70D’s focusing system to match your subject. Shoot with 19 autofocus points spread out over the frame in a wide-area pattern. Each point is a cross-type sensor, even when used with lenses having an f/5.6 maximum aperture.

Cross-type focus points are sensitive to both horizontal and vertical lines. They offer faster, more accurate initial focus acquisition as well as improved tracking of moving objects, whatever you are shooting and whichever orientation you hold the camera in. The centre focus point is a diagonal cross-type when used with lenses having a maximum aperture of f/2.8 or wider, making it even more sensitive.

The EOS 70D’s 19 autofocus points can be used individually, together in small groups or as an active area, where the closest object to the camera is used to obtain accurate focus. A dedicated AF area selection button, positioned conveniently next to the shutter release, allows fast switching between these modes, with the camera still at your eye.

This is useful, for example, if a static subject suddenly starts to move. Simply switch from single-point AF to a 19-point wide area pattern that tracks the subject as it moves about the frame.

Different focus-point selections and focus modes can be made for upright and horizontal camera orientations – useful when swapping between shooting positions while photographing the same subject.

When shooting using the Vari-angle screen, rather than the camera’s viewfinder, Canon’s powerful Dual Pixel CMOS AF technology establishes focus quickly and accurately – providing a reliable and swift autofocus system when working in Live View mode.

High performance shooting

Fast 7 fps continuous shooting

Keep up with the action, shooting seven 20.2 megapixel images every second and capturing up to 65 JPEG files or 16 RAW files in a single burst.* The EOS 70D’s Continuous Shooting mode is perfect for following fast-moving subjects in sports and wildlife photography, as well as capturing that decisive moment in street photography and portraiture.

For those occasions where you don’t wish to disturb your subject, a Silent Shooting mode is available, which minimises shutter noise.

Cross-type focus points

AF selection methods

Manual selection: single point
Any of the 19 points can be selected individually

Manual selection: zone AF
Closest object to the camera is used to obtain accurate focus

Auto selection

Intelligent Viewfinder

A transmissive LCD superimposes information on the EOS 70D’s large, bright viewfinder, including the currently active focus points, an optional gridline overlay and an electronic level, which helps keep horizons straight. 98 per cent viewfinder coverage, 0.95x magnification and a 22mm eye point gives a relaxed and comfortable viewing experience.

To help keep track of the camera’s settings, an electronic display underneath the main viewing area shows shutter speed, aperture and ISO as well as other information like exposure compensation and battery status.

*UHS-I card required
Take complete control of your video projects, and be as creative with movies as you are with photos. Dual Pixel CMOS AF technology delivers smooth, high-performance autofocus tracking when shooting video, and stereo sound gives your movies the soundtrack they deserve.

Cinematic movies from your DSLR
Shoot superb quality Full-HD video with complete manual control over exposure, white balance and sound. Record at up to 60 fps at 720p resolution for detailed slow-motion effects and choose from a variety of the compression options.

Digital sound can be recorded using the EOS 70D’s built-in stereo microphone or by connecting an external microphone via a standard 3.5mm jack. Set the recording level manually or automatically from commands in the camera’s menu.

STM lens technology
The EOS 70D offers full compatibility with Canon STM lenses for smooth, quiet, autofocus when shooting Full-HD video. Ideal for DSLR videographers, STM lenses use stepper-motor technology for fluid focus transitions without distracting focusing noise spoiling your movie’s soundtrack.

EOS Movies

View the EOS 70D sample video at the following link:
canon-europe.com/EOS_70D
Vari angle touch screen
A 7.7cm (3.0”) ClearView II capacitive touch screen, offers quick and easy access to the EOS 70D’s menu system and quick-control screen. Browse images by swiping left and right, and shoot intuitively in Live View mode by focusing and capturing with a single tap. The screen pivots away from the camera’s body and rotates through 270˚, offering new shooting angles and a different view of the world — whether you are shooting still photos or video clips. Shoot comfortably at waist level, get low down for a sense of drama, or hold your EOS 70D above your head to shoot over the top of crowds.

Dual Pixel CMOS AF

The EOS 70D is the first Canon DSLR to feature Dual Pixel CMOS AF, which delivers smooth, high-performance focus tracking in movies and fast autofocus acquisition when shooting still photos in Live View mode. All effective pixels on the surface of the EOS 70D’s sensor consist of two individual photodiodes, which are read separately for phase-detection autofocus and together for imaging.* Since every pixel is constructed in this way, Dual Pixel CMOS AF is possible over 80 per cent of the frame and is highly accurate without compromising on image quality.

With face and object tracking engaged, Movie Servo AF follows a chosen subject as it moves, or when you recompose a shot. Alternatively, just select different focus areas by simply tapping the touch screen even when recording. Dual Pixel CMOS AF is designed to track focus smoothly without searching either side of the correct focus position. This is ideal for creating professional-looking pull-focus effects and keeping your subject in focus while maintaining a blurred background — a defining characteristic of EOS Movies.

* With compatible lenses. See specifications for details.
Even under the most challenging conditions, the EOS 70D empowers you to work creatively. Capture scenes exactly as they appear, or take control for a totally different look and feel.

Low-light photography
When light levels drop, the EOS 70D lets you keep shooting hand held and without flash, using high ISO sensitivity to capture the atmosphere of an occasion with ambient light. Enjoy ISO settings up to ISO 12800 (extendable to ISO 25600), and a versatile Auto ISO function that varies the sensitivity of the camera between upper and lower limits, which you can control via the camera’s menu. To keep your images free from camera shake, you can also specify the lowest shutter speed that the EOS 70D will use before increasing ISO to achieve the correct exposure.

The EOS 70D’s CMOS sensor uses new materials to enhance its sensitivity to light, while its DIGIC 5+ image processor applies advanced noise reduction algorithms to maintain image quality at high ISO settings.

Handheld Night Scene
Handheld Night Scene is a dedicated mode that allows you to shoot high-quality images in dark conditions. A series of images is captured at shutter speeds fast enough to prevent camera shake. The EOS 70D then blends them together to create a sharp, well-exposed composite image.

Precise exposure control
Be accurate with your exposures and get the photographic look and feel you are aiming for. Choose from four metering patterns - Evaluative, Partial, Spot and Centre Weighted - and take advantage of 65 stops of exposure compensation, adjustable in 1/2 or 1/3 EV increments. Auto Exposure Bracketing (AEB) is available for those situations where the correct exposure is hard to determine, or for capturing the component frames of an HDR composite image that will be combined as they are shot.

Multiple exposure photography
Create exciting composite images that describe the patterns of movement, or combine similar shapes and colours for an abstract approach to photography. Simply input the number of frames you wish to superimpose and start shooting. The individual images will be combined as they are shot.

In Live View mode it’s possible to preview the composite image at any stage during shooting. Exposure can be averaged automatically as images are captured or added together, with each shot being adjusted manually and the result saved as a new JPEG file.

High Dynamic Range (HDR)
In high-contrast scenarios, built-in HDR processing allows detail to be preserved in the brightest and darkest parts of a photo. Three images are captured at different exposures which the EOS 70D combines into a single image file that maintains detail throughout the scene.

The degree of dynamic range expansion can be set manually up to ±3EV, or set automatically by the camera.

Resulting combined HDR image

Over exposed image

Under exposed image
Adding a personal touch

Experiment with Creative Filter effects, either emphasising the atmosphere of an occasion or changing the mood completely.

Creative Filters
Make your own mark, using the EOS 70D’s Creative Filters to give your photography a distinctive look and feel. Choose from different effects, and fine tune each one in camera.

More than one Creative Filter can be applied to a single image, giving you dozens of combinations to experiment with. Preview the effects while shooting in Live View mode, or apply them afterwards while reviewing images.
Wi-Fi connectivity

Integrated Wi-Fi allows remote operation of the EOS 70D using a smartphone, tablet, PC or Mac. Explore new viewpoints to get a different view of the world, or shoot from a short distance away – perfect for photographing wildlife and other sensitive subjects.

Enjoy on-screen Live View composition, straight from the EOS 70D, remote control over camera settings and wireless reviewing and rating of images. Simply connect to the camera using the EOS Remote app (free download for iOS and Android operating systems), or from a PC or Mac running EOS Utility software.

Sharing and transferring image files

Share files wirelessly with other compatible Canon cameras, and upload photos and movies to social networking sites via Canon Image Gateway. The EOS 70D can join your home wireless network or form ad-hoc wireless connections with compatible devices, including other Canon cameras, DLAN devices and PictBridge via Wireless LAN enabled printers.
The EOS System

**Lenses**
- **Battery Grip** BG-E14
- **GPS Module** GP-E2
- **Remote Switches** RS-60E3, RC-6
- **Angle Finder C**
- **Leather Case** EH-21L
- **Hand Strap** E2

**Wildlife / Long Lens Shooting**
- **EF 70-200mm f/4L IS USM**
- **EF 70-300mm f/4-5.6L IS USM**
  Zoom in on details or pull distant subjects closer and let the Image Stabilizer reduce the risk of camera shake.

**Macro**
- **EF-S 60mm f/2.8 Macro USM**
  Focus within 20cm and fill your frame with stunning detail.

**Portrait**
- **EF 40mm f/2.8 STM**
- **EF 50mm f/1.4 USM**
- **EF 85mm f/1.8 USM**
  Three classic lenses capable of great natural portraits in low light thanks to fast maximum apertures.

**Landscape and Travel**
- **EF-S 10-22mm f/3.5-4.5 USM**
- **EF-S 18-135mm f/3.5-5.6 IS STM**
  This ultra wide-angle lens is ideal to show the power of a dramatic landscape, or the detail of exquisite architecture interiors.

**Speedlite Flashes**
- **Speedlite 430 EX II**
- **Speedlite 320 EX**
- **Speedlite 200 EX**
  Canon Speedlite flashes let you take complete control over lighting. Shoot confidently in low-light conditions, use fill-in flash to reduce shadows in bright sunlight, and mix flash with ambient light for photography that looks natural and atmospheric. Or why not try taking your Speedlite flash off camera, lighting your subject from a different angle for a dramatic result.

**Advanced flash photography, made easy**
- **Software and workflow**
  - **Digital Photo Professional and EOS Solution software**
    Like all EOS cameras, the EOS 70D is accompanied by a suite of software that further enhances its functionality. Digital Photo Professional (DPP) allows photographers to browse, edit and process JPEG and RAW files using an intuitive, fully featured interface. Colour, white balance, brightness, contrast and sharpness can all be adjusted, along with a host of other editing functions, such as cropping and resizing. Also included is EOS Utility, which provides remote camera control and tethered shooting capabilities. The Picture Style Editor application allows photographers to customise the EOS 70D’s built-in Picture Styles.
  - **Photographic printing**
    Canon PIXMA inkjet printers allow photographers to make stunning prints from the convenience of their own home – perfect for portfolio printing and fine-art projects. Canon SELPHY dye-sublimation printers offer swift, affordable printing of photographs at smaller sizes. Their compact size makes them ideal for use around the home. Some SELPHY models also feature Wi-Fi for wireless printing.

**Off-camera flash**
- Position compatible Speedlite flashes away from your EOS 70D and trigger them wirelessly with the camera’s Integrated Speedlite Transmitter. Off-camera flashes can be controlled individually or in groups of two or three. The flash output of each one can be adjusted individually, making accurate control of lighting ratios quick and simple. Off-camera flash is particularly useful for shooting portraiture, when the dramatic shadows created by side lighting can add drama and depth to a photograph.

**Flash setup Resulting image**

Canon provides photographers with a solution for every step of their digital workflow, from capture through processing to output.
**Specifications: EOS 70D**

### LCD Monitor
- **Type:**
  - View angle: 7.7 cm (3.0")
  - 3.2 Megapixel II TFT Colour LCD
- **Dimensions:**
  - Approx. W 89 x H 59 x D 12 mm
- **Weight:**
  - Approx. 200 g (approx. 7 oz)
- **Aspect Ratio:**
  - 16:9
- **Effective Pixels:**
  - 3.2 Megapixels
- **Brightness Adjustment:**
  - Adjustable to one of seven levels
  - (1) Quick-Start Screen (2) (2) (5) (6) (7) (8) (9)
- **Display Options:**
  - (3) Electronic Level

### Flash
- **Built-in Flash ON (ISO 100):**
  - 1/2 to 1.7 Fullis brightness value (at 23°C & ISO 100)
- **Slow synchronized:**
  - 1/250 to 30 s shutter speed
- **Flash Lock:**
  - OK icon displayed while lock is ON

### Other Features
- **Image Erase/Protection:**
  - Erase: Single image, All images in folder
  - Protection: Erase protection of one image at a time
- **Continuous Shooting:**
  - Max. Approx. 7 fps
- **Frame Rate:**
  - 30 frames per sec
- **Movie Length:**
  - Max. duration 29min 59sec, Max file size 4GB
- **Sound:**
  - Linear PCM, recording level can be adjusted

### Datasheet
- **Developer:**
  - Canon Inc.
  - canoneurope.com
- **Image:**
  - 3 The Square, Stockley Park
  - Uxbridge, Middlesex
  - UB11 1ET UK
- **Language:**