

Canon

EOS 70D



Dual Pixel CMOS AF

Meet the New Game-Changer

Changing forever the way users capture still images and video with a DSLR camera, Canon proudly introduces the EOS 70D – a trailblazing powerhouse featuring a revolutionary autofocus technology that unlocks the potential of Live View. The innovative Dual Pixel CMOS AF allows the EOS 70D to shoot video in Live View with smooth autofocus like a camcorder; enables users to realize the compositional freedom afforded by accurate and quick autofocus on the camera's Vari-angle touch screen monitor; and is compatible with 103* Canon EF lenses for nearly limitless creative flexibility.

Built-in wireless technology further enhances shooting and sharing capabilities. Superb image quality is provided by a newly designed 20.2 Megapixel CMOS (APS-C) sensor, which enables an ISO range of 100–12800 (H: 25600), and the powerful **DiGiC 5+** Image Processor helps achieve up to 7.0 fps continuous shooting. Elevating the possibilities of creative expression to extraordinary new heights, the EOS 70D with Dual Pixel CMOS AF is truly an unprecedented performer.

* As of July 2, 2013.



20.2 MEGA
PIXELS
CMOS

DiGiC
5+

FULL HD
1080

ISO
12800
6400

70
Frames
Per Sec

All
Cross-type
point
19AF

3:2
Wide
3.0" LCD
ClearView II

WiFi
CERTIFIED

Intelligent
Viewfinder

Vari angle LCD

Enabling the Next Generation of Live View Shooting

Dual Pixel CMOS AF on the EOS 70D is a revolutionary Canon technology that raises Live View shooting to a convenient and comfortable complement to traditional viewfinder shooting. It will change forever what is possible with a DSLR camera.



Shoot Video Like a Camcorder

Dual Pixel CMOS AF delivers autofocus performance that is similar to that of a camcorder – but on a DSLR camera! Focus is precise, transitions are smooth and natural, and subjects in motion are tracked consistently over a large area of the frame. The EOS 70D locks in outstanding focus quickly and doesn't let go, helping you achieve pleasing, cinematic results.



Realize the Freedom of Live View

Live View shooting, powered by Dual Pixel CMOS AF, is phenomenally accurate and faster than ever. With such advanced autofocus capabilities available when using the Vari-angle monitor, Live View is now a capable complement to traditional viewfinder shooting. Comfortably and confidently shoot more subjects, from more angles and vantage points, as the situation dictates.

Dual Pixel CMOS AF



Compatible with 103* Canon EF Lenses

103* Canon EF lenses are able to fully realize the benefits of Dual Pixel CMOS AF. Compatible lenses greatly expand creative and compositional possibilities so users can enjoy a wide range of endeavors made possible through various lenses whether shooting still images or video.

* As of July 2, 2013.

EOS 70D: The Ultimate in Power, Flexibility and Intuitive Operation

The Convenience of Built-in Wireless Technology



Wireless technology makes it easy to share your photos and video with friends and family. It also enables you to shoot remotely and control camera settings, allowing even more creative and compositional freedom.

Amazing Capture and Processing Power

20.2 MEGA PIXELS
CMOS



At 20.2 Megapixels, the CMOS sensor on the EOS 70D helps ensure excellent tonal gradation and phenomenal image quality. A powerful DIGIC 5+ Image Processor improves speed, reduces noise, and enables an expanded ISO range of ISO 100–12800 (expandable to 25600 in H mode).

The Speed You Need



Capable of shooting up to 7.0 fps during continuous shooting, the EOS 70D is a perfect camera for quick action. A rapidly occurring scene can be captured moment by moment, second by second, so that even the briefest of opportunities are captured in exquisite clarity.

True HD Performance in Your Hands



The EOS 70D easily captures stunning HD video, in a number of recording sizes and frame rates, all with lifelike detail and accurate, brilliant color. And new Dual Pixel CMOS AF helps ensure your subjects are continually in pristine focus.

Versatile, Sharp and Clear, with Tactile Controls



The Vari-angle Touch Screen 3.0-inch Clear View LCD monitor II on the EOS 70D displays fine detail (with approximately 1.04 million dots), features capacitive touch technology, and enables comfortable shooting from a variety of angles and vantage points not possible with the viewfinder.

Fast, Accurate, Phenomenal AF



The EOS 70D makes use of 19 high precision cross-type AF sensors and a central f/2.8 dual cross-type sensor during viewfinder shooting to crisply focus on subjects – even if their movements are erratic or unpredictable.

SPECIFICATIONS

TYPE

Type: Digital AF/AE SLR with built-in flash Recording Medium: SD/SDHC/SDXC/UHS-I memory cards Image Sensor Size: 0.89 x 0.59 in./22.5 x 15.0mm Compatible Lenses: Canon EF and EF-S lenses Lens Mount: Canon EF mount

IMAGE SENSOR

Effective Pixels: 20.2 megapixels Total Pixels: 20.9 megapixels

RECORDING SYSTEM

Recording Format: JPEG, RAW, and RAW+JPEG simultaneous recording provided. RAW and JPEG images are saved as separate files in the memory card.

WHITE BALANCE

Settings: Auto, Preset (Daylight; Shade; Cloudy; Twilight; Sunset; Tungsten light; White Fluorescent Light; Flash); Custom (Approx. 2,000° – 10,000°K), Color Temperature (Approx. 2,500° – 10,000°K)

VIEWFINDER

Type: Eye-level SLR with fixed pentaprism Coverage: Approx. 98% horizontally and vertically Magnification: 0.95x (–1 m⁻¹ dpt with 50mm lens at infinity) Eyepoint: Approx. 22mm Dioptic Adjustment Correction: –3.0 to +1.0 m⁻¹ diopter

AUTOFOCUS

Type: TTL secondary image-forming phase-difference detection system with AF-dedicated CMOS sensor AF Points: 19 cross-type AF points (All AF points cross-type at f/5.6; center AF point cross-type at f/2.8) AF Working Range: Center AF points: EV –0.5 to EV 18; Other AF points: EV 0 to EV 18 (ISO 100 at 73°F/23°C)

EXPOSURE CONTROL

Metering Range: EV 1 to 20 (ISO 100 at 23°C/73°F with EF 50mm f/1.8 II lens) ISO Speed Range: Auto, Flash Off, Creative Auto: ISO 100–6400 / Portrait, Close-up, Sports, Night Portrait, HDR Backlight Control: ISO 100–6400 / Landscape: ISO 100–1600 / Handheld Night Scene: ISO 100–12800 / P, Tv, Av, M: ISO 100–12800 / Bulb, With Flash: ISO 400

SHUTTER

Type: Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled Shutter Speeds: 1/8000 to 30 sec. (1/3- or 1/2-stop increments), X-sync at 1/250 sec.

BUILT-IN FLASH

Type: Auto pop-up, retractable, built-in flash in the pentaprism Guide Number: Approx. 39.4 ft./12m (ISO 100)

DRIVE SYSTEM

Drive Modes: Single, High-speed continuous, Low-speed continuous, Silent single, Single continuous, Self-timer/Remote control Continuous Shooting Speed: Up to 7.0 fps (at 1/500 or faster shutter speed); Up to 3.0 fps during Low-speed continuous or silent continuous shooting Maximum Burst During Continuous Shooting: JPEG: Approx. 40 (Large/Fine); RAW: Approx. 15; RAW + JPEG: 8 (Large/Fine)

VIDEO RECORDING

File Format: MOV (MPEG-4 AVC/H.264; Linear PCM audio) Recording Resolution: 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976); 1280 x 720 (HD): 60p (59.94) / 50p; 640 x 480 (SD): 30p (29.97) / 25p

LCD MONITOR

Type: TFT color, liquid crystal monitor with Touch Panel LCD (capacitive type) Monitor Size: 3.0-inch with wide viewing angle of approx. 160° vertically and horizontally Pixels: Approx. 1,040,000 dots Coverage: Approx. 100% vertically and horizontally

POWER SOURCE

Battery: One Battery Pack LP-E6

DIMENSIONS & WEIGHT

Dimensions (W x H x D): Approx. 5.5 x 4.1 x 3.1 in. / 139.0 x 104.3 x 78.5mm Weight: Approx. 26.7 oz. / 755g (W Model: CIPA standard); Approx. 23.8 oz. / 675g (W Model: Body only)

OPERATING ENVIRONMENT

Operating Temperature: 32–104°F / 0–40°C Operating Humidity Range: 85% or less

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