CAPTURE *the*
EXTRAORDINARY *with*

3WAY
SHOOTING

EOS 70D

Every new day presents a variety of unique moments waiting to be captured, and with 3-way shooting the possibilities are endless. Canon presents the new EOS 70D, a perfect balance of optical performance and imaging efficiency, creative intelligence and expressive emotion.

The EOS 70D is pure consistency in photographic quality with its 20.2-megapixel APS-C sized CMOS sensor, DIGIC 5+ image processor and even more advanced features. For versatile everyday shooting with brilliant image quality, the extraordinary EOS 70D is your calling to surpass conventional shooting, and seek the fantastic in the everyday.

Dual Pixel CMOS AF | 20.2 MEGA PIXELS CMOS | DIGIC 5+ | ISO 12800 / 6400 | 7.0 Frames Per Sec | WiFi CERTIFIED

Dual Pixel CMOS **AF**

PROPRIETARY
DUAL PIXEL CMOS AF

A leader in advancing imaging technology, Canon introduces its new Dual Pixel CMOS AF system, which is a phase-difference AF technology on the image sensor plane. The latest Dual Pixel CMOS AF system boasts superior high-speed AF capabilities even when shooting in Live View mode.

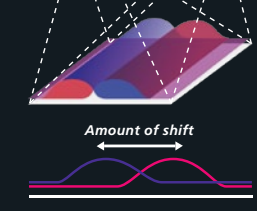*Dual Pixel CMOS AF applicable area*
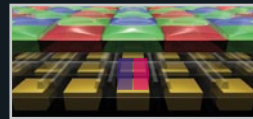
Each individual pixel consists of two separate photodiodes
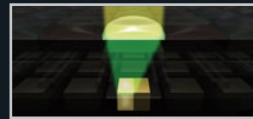
Each photodiode detects a separate light signal during AF
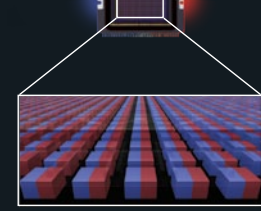
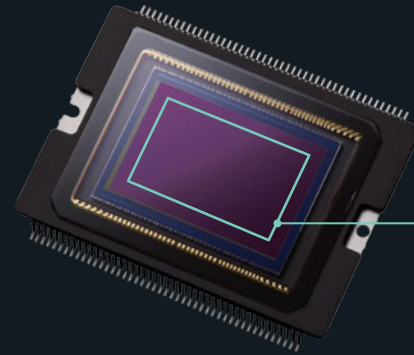This creates a phase-difference detection AF structure to drive the lens

Amount of shift

Driving the Lens

The amount of lens drive is measured from the amount of signal difference **(amount of shift)** in the AF points.

The signals of both photodiodes are in agreement and focus is achieved on the first try without hesitation.

The same principle as phase-difference detection AF

This groundbreaking technology employs phase-difference detection AF even during final focusing, thus resulting in hunting-free focusing over a wide AF area (80% vertical x 80% horizontal).

Each individual pixel holds two photodiodes, where signals from each photodiode are detected, and the amount of difference between the signals determines the amount of lens drive to achieve sharp focus.

Dual Pixel CMOS AF switches the drive method according to the lens in use and shooting conditions. There are currently about 103 EF lenses that support Dual Pixel CMOS AF on the EOS 70D.

FAST & ACCURATE FOCUSING OVER WIDE AF AREA IN LIVE VIEW SHOOTING

Live View shooting expands shooting possibilities on the EOS 70D with quick and accurate AF performance over a wider area. The Vari-Angle LCD monitor with touch panel allows you to explore various creative shooting angles and framing options. Selection of AF point also becomes intuitive with the touch shutter function, and continuous AF further improves tracking of moving subjects.
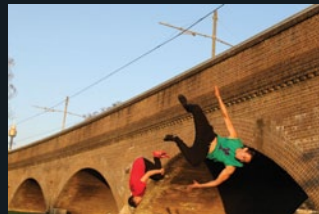
EXCEPTIONAL TRACKING & SILENT AF IN MOVIE SERVO AF WITH STM LENS

Dual Pixel CMOS AF technology further improves focusing operation for smoother AF performance during Live View shooting in Movie Servo AF when recording videos. Paired with STM lenses, high-speed focusing is achieved, even when shooting moving subjects. STM lenses also deliver even smoother and silent AF that is perfect for shooting movies, especially in quiet environments.

01:
LIVE VIEW
SHOOTING

VARI-ANGLE 3.0-INCH CLEAR VIEW LCD II WITH TOUCH PANEL

Vari-angle LCD

TOUCH PANEL ClearView II

Never miss out on the tiniest details with the EOS 70D's 3.0-inch Clear View LCD II monitor fortified by an approximately 1.04 million dot-resolution, viewing angle of 160° and faithful color reproduction.

Explore various perspectives and shoot at low or high angles by simply twisting and tilting the Vari-Angle LCD monitor. The monitor's side opening makes it easy to shoot even on a tripod, with a battery grip attached or in vertical position. The built-in Touch Panel further makes Live View shooting intuitive with simple touch operations such as swiping, pinching to zoom, and touch to capture.

FACE DETECTION + TRACKING AF
Detects the subject's face and achieves focus, as AF points move to track the face. Touch the subject on the LCD monitor to set an AF point for tracking.

STM

SMOOTH & ACCURATE AF WITH STM TECHNOLOGY

The Stepping Motor (STM) lenses work extremely well with the latest Dual Pixel CMOS AF technology on the EOS 70D's sensor. In Live View mode, experience incredibly fast and accurate AF during still photography. When paired with the camera's Movie Servo AF for movie recording, the STM lenses deliver outstandingly smooth and silent continuous AF for that perfect video capture.

COMPOSE, FOCUS & CAPTURE IN LIVE VIEW

Shooting in Live View is easy with the touch panel ability on the EOS 70D's LCD monitor. Tap on a subject to set an AF point and touch to release shutter. Continuous AF can also be employed to steadily track and focus on a moving subject until the shutter is released. There are four AF methods in Live View shooting to match shooting subjects and environment.
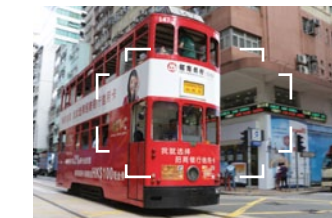
FLEXIZONE — MULTI AF
Divides the scene into a number of zones according to aspect ratio with priority given to the center or closest subject for focusing.
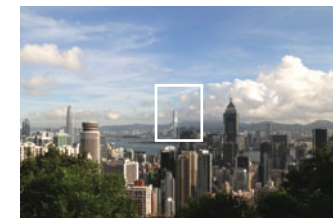
FLEXIZONE — SINGLE AF
Focuses on the subject using one AF point, which can then be moved by touching the LCD monitor.
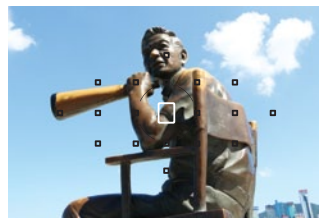
QUICK MODE
An automatic selection of AF points or manually select an AF point to focus on the subject. Touch on the LCD monitor to move the AF point.

02:

OPTICAL VIEWFINDER
SHOOTING

INTELLIGENT VIEWFINDER

Compose and capture with crystal clarity on the EOS 70D's intelligent optical viewfinder, which offers 98% coverage, 27.9° angle of view and 0.95x magnification. Information such as AF point selection mode, grid display, electronic level, AF display and various shooting alerts are shown clearly and can be checked with a quick glance.

7FPS HIGH-SPEED CONTINUOUS SHOOTING

Shoot fast-moving subjects and non-stop actions fearlessly with a high-speed continuous shooting speed of 7fps. Made possible by an 8-channel readout from its CMOS sensor and a two-motor system, the EOS 70D ensures that you never miss a decisive shot.

Besides capturing action sequences, you can also choose the best from a single burst of multiple shots. The EOS 70D shoots continuously at a maximum burst of approximately 40 shots for Large/Fine JPEG (65 in UHS-I SD Card) and 15 shots for RAW images (16 in UHS-I SD Card).

19-POINT ALL CROSS-TYPE AF SENSOR WITH CENTER DUAL CROSS-TYPE AF POINT
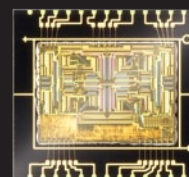
Super stable and high-speed autofocusing on the EOS 70D is assured by its 19-Point All Cross-Type AF sensor performing cross-type focusing at a maximum aperture of f/5.6. The center AF point is both horizontal-line and vertical-line sensitive for high-precision focusing at f/2.8, thus enabling minute focus detection.

The 19 AF points are spread over a wide area for accurate tracking of moving subjects and easy shooting in horizontal or vertical positions. An improved algorithm ensures a more stable and precise AI Servo AF II performance with adjustable parameters of tracking sensitivity and acceleration/deceleration tracking.

LANDSCAPE
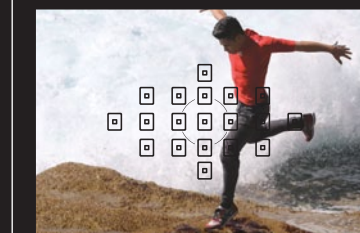
PORTRAIT

03

REMOTE LIVE VIEW
SHOOTING

EASY REMOTE SHOOTING WITH **EOS REMOTE APP**

Extend your EOS 70D's shooting capability with the EOS Remote app, which allows remote control of the camera. You will be able to browse, rate, or delete images in the camera, and transfer JPEG images from the camera to your smartphone or tablet PC.

The EOS Remote app also makes it possible to shoot from a distance away using your smartphone or tablet PC to act as the camera's Live View display. Just set up your EOS 70D in a desired spot and you can focus, compose, adjust settings, and remotely release the shutter all without being at the camera.

EOS REMOTE APP is available on: [Available on the App Store] [Get it on Google play]

*WiFi function subject to availability in your region

Shoot & Share the Best of Life

Those picture-perfect moments are made for sharing, and the EOS 70D makes it easy for you to share your images. You can simply transfer JPEG images and compatible movie files between two Canon cameras via built-in wireless LAN, and also resize JPEG images captured with the EOS 70D before transferring.

Ease of Use with EOS Utility

The bundled EOS Utility software comes with functions that improve your workflow and extend shooting capabilities. Remote Live View capture is a function where the EOS 70D is controlled remotely on a computer via a wireless LAN connection. You will be able to adjust camera settings, compose and check focus in real-time, and remotely release the shutter.

Cable-Free Convenience

A cable-free and fuss-free advantage, the EOS 70D is enabled for printing images from a compatible Wi-Fi printer* that supports PictBridge (DPS over IP) without the need for a computer. This wireless advantage also extends to playback and viewing of JPEG images on DLNA-certified media players such as televisions.

*The printer would need to be in either infrastructure mode or camera access point mode
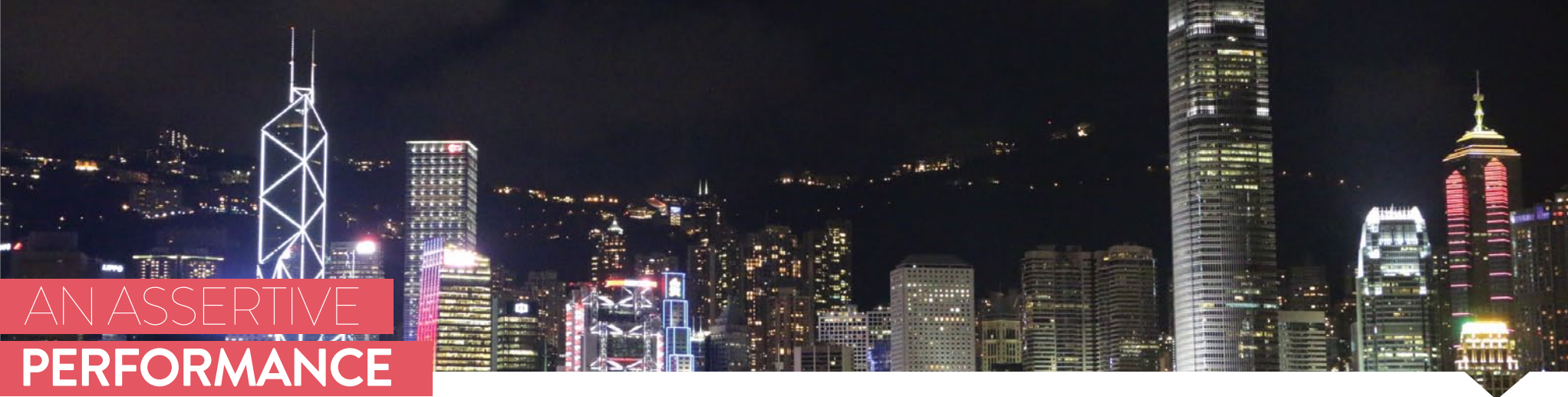
Social Networking Features

Go beyond image-sharing between cameras and use your EOS 70D to upload JPEG images and videos to an album on CANON iMAGE GATEWAY (CiG)*. Through CiG, you can also upload images and movies or post your CiG album link to social networking sites such as Facebook, YouTube, Flickr and Twitter.

*Subject to availability in your region

AN ASSERTIVE
PERFORMANCE
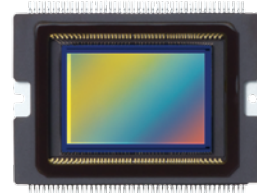
20.2-MEGAPIXEL CMOS SENSOR
## FOR IMAGING PROWESS

Newly developed for the EOS 70D, its 20.2-megapixel APS-C sized CMOS sensor features wide-ranging ISO speeds, expanded dynamic range, greater noise reduction levels, and compatibility with Dual Pixel CMOS AF technology. Images and videos are delivered with minimal noise, natural tonal gradation, and vivid colors even at high ISO levels.

DIGIC 5+ IMAGE PROCESSOR
TO POWER YOUR VISION

The DIGIC 5+ image processor is the force behind the EOS 70D's responsive shooting and imaging aptitude, while working together with the CMOS sensor. It drives advanced features such as a wide ISO range of ISO 100–ISO 12800, high-speed continuous shooting of 7fps, Multiple Exposure mode and High Dynamic Range mode.

SOPHISTICATED iFCL 63-ZONE
DUAL-LAYER METERING SYSTEM

The Intelligent Focus Color Luminance (iFCL) 63-Zone Dual-Layer Metering System is geared for all 19 AF points on the AF sensor. Metering area is divided into 63 zones for even and balanced exposure. To prevent underexposure when shooting saturated red subjects, the dual-layer sensor measures light at separate red-green wavelengths and blue-green wavelengths.
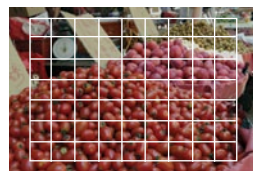
△ **WITHOUT COLOR INFORMATION**

△ **WITH COLOR INFORMATION**

ISO 100–12800 RANGE
CAPTURES EXPRESSIVE DETAILS

Day and night, still or moving subjects, artificial or natural light – capture your vision without loss of detail. The EOS 70D capably handles any shooting situation with its standard sensitivity of ISO 100-12800, expandable to 25600. In ISO Auto for movie-shooting, a range of ISO 100-6400 is sufficient and can be manually extended to 12800.

– *ISO 6400* –

| ISO 100 | ISO 200 | ISO 400 | ISO 800 |
| ISO 1600 | ISO 3200 | ISO 6400 | ISO 12800 |
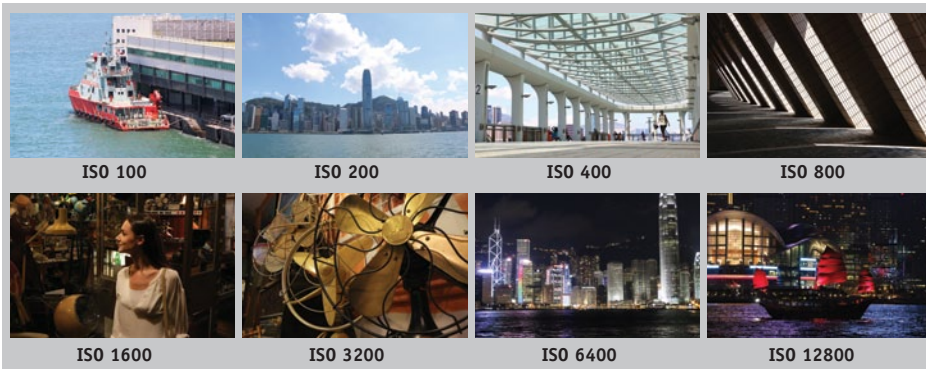
SEE DIFFERENTLY WITH
MULTI-ASPECT SHOOTING

You need not crop images in post-processing by simply using the Multi-Aspect Shooting function. On the EOS 70D using either the viewfinder or Live View, shoot in ratios of 4:3, 1:1, 16:9 or 3:2. Multi-aspect ratios can help to emphasize a particular subject or better suit the composition of the scene, for an example, using a ratio of 16:9 for landscapes.

A MOVIE-
SHOOTING
MASTERMIND

SHOOTING WITH **EOS MOVIE**

Record everyday moments on your EOS 70D in Full HD Video at 1920 x 1080, and with minimal moiré effect even at high ISO levels. You are even able to magnify the image from 3x up to 10x using Movie Digital Zoom.

Dual Pixel CMOS AF drives AF performance to achieve smooth tracking and continuous AF when shooting with Movie Servo AF. Paired with an STM lens, movie-shooting is truly silent and smooth with quick AF, even while tracking moving subjects.

EXCITING STORIES WITH **VIDEO SNAPSHOT**

For dynamic movie direction, put together a compilation of short videos using the Video Snapshot feature. Begin by shooting a video clip of 2, 4 or 8 seconds duration, and save these clips as a single Video Snapshot Album. Video clips can be edited using Video Snapshot Task and after editing, enjoy your movie creation in playback with background music for a complete movie vibe.

CREATIVITY IN ACTION

HDR
High Dynamic Range

TRUE TO VISION HDR MODE

In High Dynamic Range mode, three shots are captured at three different exposures. Then these images are merged in-camera for a vivid and finely detailed image result.

+ UNDEREXPOSED   + STANDARD EXPOSURE   + OVEREXPOSED
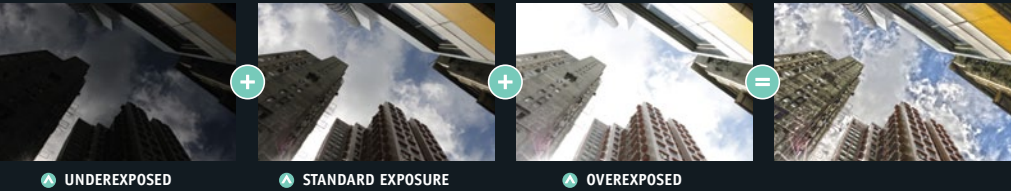
Multiple Exposure

ARTISTIC FLAIR WITH MULTIPLE EXPOSURE MODE

Use Multiple Exposure mode to create a single multiple-exposure image by combining between two to nine images, in either setting of Additive or Average, for a surreal effect on your images.

Creative Filters

A TOUCH OF CREATIVE FILTERS

Creative Filters can impart greater depth to your images and better express your creativity. The effects can be previewed real-time during Live View shooting before final capture.

– TOY CAMERA –

• ART BOLD   • FISH-EYE   • WATER PAINTING

• GRAINY B/W   • SOFT FOCUS   • TOY CAMERA   • MINIATURE
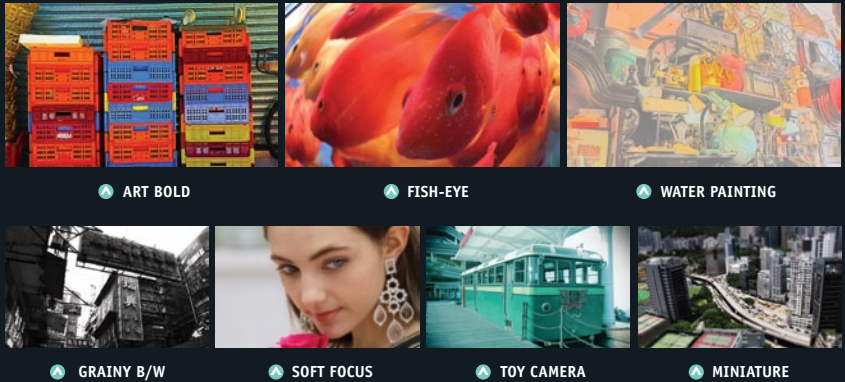
MULTI SHOT NOISE REDUCTION

Multi Shot Noise Reduction captures four shots in succession at a fast shutter speed and combines them in-camera. The final image displays reduced noise, sharper details, and balanced brightness.

Special Scene Mode

SPECIAL SCENE MODE (SCN)

Shoot from day to night, anywhere and everywhere with the super feature Special Scene Mode (SCN) that allows you to select from seven options to best match your shooting scene or subject.


• PORTRAIT   • LANDSCAPE

• CLOSE-UP   • SPORTS

• NIGHT PORTRAIT   • HANDHELD NIGHT SCENE   • HDR BACKLIGHT CONTROL

For a beautifully lit portrait against a night backdrop   *For sharp images shot in low-light environments*   *For capturing details in both highlight and shadowed areas*
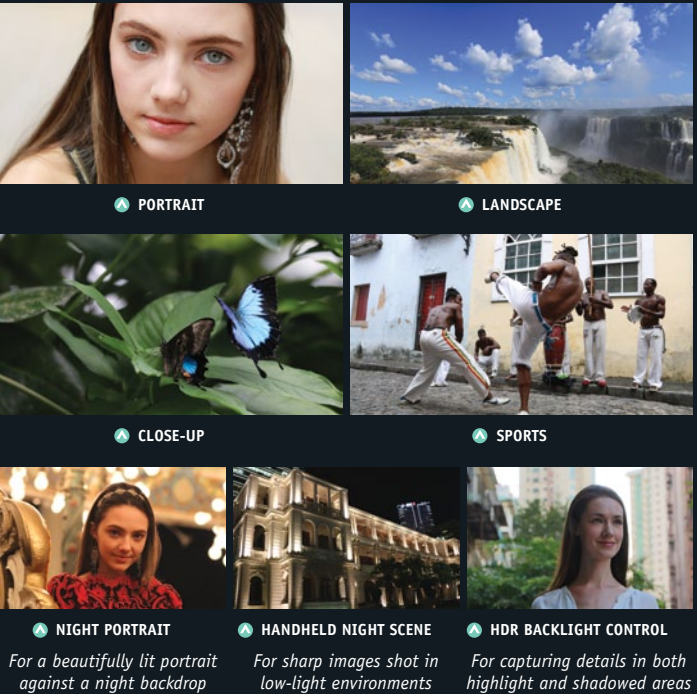
EXPANDING
PHOTOGRAPHIC EXPRESSION

EF-S18-55mm f/3.5-5.6 IS STM

The new EF-S18-55mm f/3.5–5.6 IS STM offers high magnification in a compact and lightweight standard zoom lens build with an Optical Image Stabilizer correcting shake for up to an equivalent of 3.5* stops. Its Stepping Motor (STM) mechanism delivers faster, smoother and quieter AF performance in both photo and video capture.

EF-S18-135mm f/3.5-5.6 IS STM

With its lightweight size and versatile focal length, the EF-S18-135mm f/3.5–5.6 IS STM will become a firm favorite in your kit bag. This lens sports a high-precision UD lens element and a PMO aspheric lens element for reduced chromatic aberration. An improved Image Stabilization system corrects shake for up to an equivalent of 4 stops, and is capable of a minimum focusing distance of 0.39 meters through its zoom range.

EF-S18-200mm f/3.5-5.6 IS

This versatile standard zoom lens features a wide focal length range and an Image Stabilizer for up to 4 stops-equivalent of shake correction. The all-rounder EF-S18-200mm f/3.5-5.6 IS kit lens has two aspheric lens elements and two UD lens elements to correct chromatic aberration, resulting in high quality images with superb sharpness.

EF-S55-250mm f/4-5.6 IS STM NEW

The latest EF-S55-250mm f/4-5.6 IS STM is a lightweight and compact zoom lens which offers excellent image quality, usability and affordability. It employs a Stepping Motor (STM) mechanism for quick and silent auto-focusing in still photography, and quiet, smooth AF when recording with Movie Servo AF. Its Image Stabilization system corrects shake for up to an equivalent of 3.5* stops.

*Based on CIPA standards

SPEEDLITE 320EX

For creative lighting options, the Speedlite 320EX is the ideal flash unit as a wireless slave unit positioned off-camera, and used with the EOS 70D's built-in Speedlite transmitter. An LED light on the front acts as a video light when shooting movies, a modeling light or AF assist beam during Live View shooting.

BATTERY GRIP BG-E14

For easier handling during long hours of shooting, the Battery Grip BG-E14 is ergonomically designed to provide photographers with a solid and comfortable grip on the EOS 70D. The Battery Grip BG-E14 ensures extended battery power for high-volume shooting projects by taking in 2 Battery Packs LP-E6 or 6 AA-size batteries.

NOMENCLATURE OF EOS 70D

LCD panel
< DRIVE > Drive mode selection button
< AF > AF mode selection button
EF lens mount index
Built-in flash/AF-assist beam
Flash sync contacts
Hot shoe
< ⚡ > Flash button
Microphone
< ISO > ISO speed setting button
< ⊡ > Metering mode selection button
< ⊞ > AF area selection mode button
< ⌂ > Main Dial
< ☼ > LCD panel illumination button
Shutter button
Red-eye reduction/Self-timer lamp
Remote control sensor
Grip (Battery compartment)
DC coupler cord hole
Depth-of-field preview button
Mirror
Contacts
< MIC > External microphone IN terminal
< ⚡ > Remote control terminal
< HDMI OUT >
HDMI mini OUT terminal
< A/V OUT / DIGITAL >
Audio/video OUT/Digital terminal
Body cap

< ⊕ > Focal plane mark
< ▣ / 🎥 > Live View shooting/Movie shooting switch
< 🎥 > Start/Stop button
Dioptric adjustment knob
Eyecup
Viewfinder eyepiece
AF operation
ONE SHOT
One-Shot AF
AI FOCUS
AI Focus AF
AI SERVO
AI Servo AF
M FOCUS
Manual focus
Power switch
< MENU > Menu button
< INFO. > Info button
< ◉ > Multi Shot Noise Reduction
< HDR > HDR shooting
LCD monitor
Tripod socket
< Q > Quick Control button
< ▶ > Playback button
< ▲ > < ▼ > < ◀ > < ▶ > Multi-controller
< 🗑 > Erase button

< AF-ON > AF start button
< ✱ > AE lock/FE lock button / < Q > Index/Reduce button
< ⊞ > AF point selection/ < Q > Magnify button
Access lamp
Strap mount
Speaker
Card slot cover
Battery compartment cover release lever
Battery compartment cover
Lens release button
Lens lock pin
Lens mount
< ◯ > Quick Control Dial
Multi function lock switch
< ◯ > Setting button
AEB
Exposure level indicator
Exposure compensation amount
AEB range
Aperture
AF point selection ([⊡] AF, SEL [ ], SEL AF)
Wi-Fi function* < (📶) / WiFi > ON OFF
Battery check

LCD PANEL
Drive mode
☐ Single shooting
⊟H High-speed continuous shooting
⊟ Low-speed continuous shooting
☐S Single shooting
⊟S Silent continuous shooting
🕐S Self-timer: 10 sec./remote control
🕐₂ Self-timer: 2 sec./remote control
White balance
Noise reduction
Automatic image brightness correction
Highlight tone priority
Lens aberration correction
Possible shots
Self-timer countdown
Bulb exposure time
Error number/Error code (Err)
Remaining images to record
Metering mode
▣ Evaluative metering
◌ Partial metering
● Spot metering
⊡ Center-weighted average metering
< D+ > Highlight tone priority
< ISO > ISO speed
ISO speed
Shutter speed
FE lock (FEL)
Busy (buSY)
Built-in flash recycling (buSY)
Multi function lock warning (L)
No card warning (Card)
Card full warning (FuLL)
Error code (Err)
Cleaning image sensor (CLn)

* The EOS 70D (N) does not have the Wi-Fi function (Not Displayed).
* The display will show only the settings currently applied.

SPECIFICATIONS

TYPE
Type: Digital, single-lens reflex, AF/AE camera with built-in flash
Recording media: SD memory card, SDHC memory card*, SDXC memory card*
*UHS-I cards compatible.
Image sensor size: Approx. 22.5 x 15.0mm
Compatible lenses: Canon EF lenses (including EF-S lenses) *Excluding EF-M lenses (35mm-equivalent focal length is approx. 1.6 times the lens focal length)
Lens mount: Canon EF mount

IMAGE SENSOR
Type: CMOS sensor
Effective pixels: Approx. 20.20 megapixels
Aspect ratio: 3:2
Dust delete feature: Auto, Manual, Dust Delete Data appending

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
Recorded pixels: L (Large): Approx. 20.00 megapixels (5472 x 3648)
M (Medium): Approx. 8.90 megapixels (3648 x 2432)
S1 (Small 1): Approx. 5.0 megapixels (2736 x 1824)
S2 (Small 2): Approx. 2.50 megapixels (1920 x 1280)
S3 (Small 3): Approx. 350,000 pixels (720 x 480)
RAW: Approx. 20.0 megapixels (5472 x 3648)
M-RAW: Approx. 11.0 megapixels (4104 x 2736)
S-RAW: Approx. 5.0 megapixels (2736 x 1824)
Create/select a folder: Possible
File numbering: Continuous, Auto reset, Manual reset

IMAGE PROCESSING DURING SHOOTING
Picture Style: Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1–3
White balance: Auto, 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 possible *Flash color temperature information transmission enabled
Noise reduction: Applicable to long exposures and high ISO speed shots
Automatic image brightness correction: Auto Lighting Optimizer
Highlight tone priority: Provided
Lens aberration correction: Peripheral illumination correction, Chromatic aberration correction

VIEWFINDER
Type: Eye-level pentaprism
Coverage: Vertical/Horizontal approx. 98% (with Eye point approx. 22mm)
Magnification: Approx. 0.95x (-1m⁻¹ with 50mm lens at infinity)
Eye point: Approx. 22mm (from eyepiece lens center at -1m⁻¹)
Built-in dioptric adjustment: Approx. -3.0 - +1.0m⁻¹ (dpt)
Focusing screen: Fixed
Grid display: Provided
Electronic level: Displayable before and during shooting
Depth-of-field preview: Provided

AUTOFOCUS
Type: TTL secondary image-registration, phase-difference detection with the dedicated AF sensor
AF points: 19 (All cross-type focusing*) *Not used with certain lenses.
Focusing brightness range: EV -0.5–18 (with center AF point, at room temperature, ISO 100)
Focus operation: One-Shot AF, AI Servo AF, AI Focus AF, Manual focusing (MF)
AF area selection mode: Single-point AF (Manual selection), Zone AF (Manual zone selection), 19-point automatic selection AF
AI Servo AF characteristics: Tracking sensitivity, Acceleration/deceleration tracking
AF fine adjustment: AF Microadjustment (All lenses by same amount or Adjust by lens)
AF-assist beam: Small series of flashes fired by built-in flash

EXPOSURE CONTROL
Metering modes: 63-zone TTL full-aperture metering
• Evaluative metering (linked to all AF points)
• Partial metering (approx. 7.7% of viewfinder at center)
• Spot metering (approx. 3.0% of viewfinder at center)
• Center-weighted average metering
Metering brightness range: EV 1–20 (at room temperature, ISO 100)
Exposure control: Program AE (Scene Intelligent Auto, Flash Off, Creative Auto, Special scene (Portrait, Landscape, Close-up, Sports, Night Portrait, Handheld Night Scene, HDR Backlight Control, Program), Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure
ISO speed: Basic Zone modes*: ISO 100–ISO 6400 set automatically
(Recommended *Landscape: ISO 100–ISO 1600 set automatically,
exposure index) Handheld Night Scene: ISO 100–ISO 12800 set automatically
P, Tv, Av, M, B: Auto ISO, ISO 100–ISO 12800 (in 1/3- or whole-stop increments), or ISO expansion to H (equivalent to ISO 25600)
ISO speed settings: ISO speed range, Auto ISO range, and Auto ISO minimum shutter speed settable
Exposure compensation: Manual: ±5 stops in 1/3- or 1/2-stop increments
AEB: ±3 stops in 1/3- or 1/2-stop increments (can be combined with manual exposure compensation)
AE lock: Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved
Manual: By AE lock button

HDR SHOOTING
Dynamic range adjustment: Auto, ±1 EV, ±2 EV, ±3 EV
Auto image align: Possible

MULTIPLE EXPOSURES
No. of multiple exposures: 2 to 9 exposures
Multiple-exposure control: Additive, Average

SHUTTER
Type: Electronically-controlled, focal-plane shutter
Shutter speeds: 1/8000 sec. to 30 sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/250 sec.

DRIVE SYSTEM
Drive modes: Single shooting, High-speed continuous shooting, Low-speed continuous shooting, Silent single shooting, Silent continuous shooting, 10-sec. self-timer/remote control, 2-sec. self-timer/remote control
Continuous High-speed continuous shooting : Max. approx. 7.0 shots/sec.
shooting speed: Low-speed continuous shooting : Max. approx. 3.0 shots/sec.
Silent continuous shooting : Max. approx. 3.0 shots/sec.
Max. burst: JPEG Large/Fine: Approx. 40 shots (approx. 65 shots)
RAW: Approx. 15 shots (approx. 16 shots)
RAW+JPEG Large/Fine: Approx. 8 shots (approx. 8 shots)
*Figures are based on Canon's testing standards (ISO 100 and Standard Picture Style) and an 8 GB card.
*Figures in parentheses apply to an UHS-I compatible 8 GB card based on Canon's testing standards.

FLASH
Built-in flash: Retractable, auto pop-up flash
Guide No.: Approx.12/39.4 (ISO 100, in meters/feet)
Flash coverage: Approx. 17mm lens angle of view
Recycling time approx. 3 sec.
External Speedlite: Compatible with 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: None
Flash control: Built-in flash function settings, external Speedlite function settings, external Speedlite Custom Function settings, Wireless flash control via optical transmission

LIVE VIEW SHOOTING
Aspect ratio: 3:2, 4:3, 16:9, 1:1
Focus methods: Dual Pixel CMOS AF system/Contrast-detection AF system (Face+Tracking, FlexiZone-Multi, FlexiZone-Single), Phase-difference detection with the dedicated AF sensor (Quick mode), Manual focus (approx. 5x and 10x magnified view possible for focus check)
Continuous AF: Provided
Focusing brightness range: EV 0–18 (at room temperature, ISO 100)
Metering modes: Evaluative metering (315 zones), Partial metering (approx. 10.3% of Live View screen), Spot metering (approx. 2.6% of Live View screen), Center-weighted average metering
Metering brightness range: EV 0–20 (at room temperature, ISO 100)
Creative filters: Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect
Silent shooting: Provided (Mode 1 and 2)
Touch shutter: Provided
Grid display: Three types

MOVIE SHOOTING
Recording format: MOV
Movie: MPEG-4 AVC / H.264
Variable (average) bit rate
Audio: Linear PCM
Recording size 1920x1080 (Full HD): 30p/25p/24p
and frame rate: 1280x720 (HD) : 60p/50p
640x480 (SD) : 30p/25p
*30p: 29.97 fps, 25p: 25.00 fps, 24p: 23.98 fps, 60p: 59.94 fps, 50p: 50.00 fps
Compression method: ALL-I (I-only), IPB
File size: 1920x1080 (30p/25p/24p) / IPB : Approx. 235 MB/min.
1920x1080 (30p/25p/24p) / ALL-I : Approx. 685 MB/min.
1280x720 (60p/50p) / IPB : Approx. 205 MB/min.
1280x720 (60p/50p) / ALL-I : Approx. 610 MB/min.
640x480 (30p/25p) / IPB : Approx. 78 MB/min.
*Card reading/writing speed necessary for movie shooting: IPB: at least 6 MB per sec./ALL-I: at least 20 MB per sec.
Focusing: Same as focusing with Live View shooting *Quick mode disabled during movie shooting
Digital zoom: Approx. 3x–10x
Metering modes: Center-weighted average and Evaluative metering with the image sensor *Automatically set by the focusing mode.
Metering brightness range: EV 0–20 (at room temperature, ISO 100)
Exposure control: Autoexposure shooting (Program AE for movies) and manual exposure
Exposure compensation: ±3 stops in 1/3-stop increments (±5 stops for still photos)
ISO speed: For autoexposure shooting: 1. ISO 100–6400 set automatically. In Creative
(Recommended Zone modes, the upper limit is expandable to H (equivalent to ISO 12800).
exposure index) For manual exposure shooting: Auto ISO (ISO 100–ISO 6400 set automatically), ISO 100–ISO 6400 set manually (1/3- and whole-stop increments), expandable to H (equivalent to ISO 12800)
Time code: Supported
Drop frames: Compatible with 60p/30p
Video snapshots: Settable to 2 sec./4 sec./8 sec.
Sound recording: Built-in stereo microphone, external stereo microphone terminal provided Sound-recording level adjustable, wind filter provided, attenuator provided
Grid display: Three types
Still photo shooting: Possible

LCD MONITOR
Type: TFT color, liquid-crystal monitor
Monitor size and dots: Wide, 7.7 cm (3.0-in.) (3:2) with approx. 1.04 million dots
Brightness adjustment: Manual (7 levels)
Electronic level: Provided
Interface languages: 25
Touch screen technology: Capacitive sensing
Feature guide / Help: Displayable

PLAYBACK
Image display formats: Single image display, Single image + Info display (Basic info, shooting info, histogram), 4-image index, 9-image index
Highlight alert: Overexposed highlights blink
AF point display: Possible
Grid display: Three types
Zoom magnification: Approx. 1.5x–10x
Image browsing methods: Single image, jump by 10 or 100 images, by shooting date, by folder, by movies, by stills, by rating
Image rotate: Possible
Rating: Provided
Movie playback: Enabled (LCD monitor, video/audio OUT, HDMI OUT), built-in speaker
Slide show: All images, by date, by folder, by movies, by stills, by rating
Background music: Selectable for slide shows and movie playback
Image protect: Possible

POST-PROCESSING OF IMAGES
In-camera RAW image processing: Brightness correction, White balance, Picture Style, Auto Lighting Optimizer, High ISO speed noise reduction, JPEG image-recording quality, Color space, Peripheral illumination correction, Distortion correction, Chromatic aberration correction
Resize: Possible
Creative filters: Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect

DIRECT PRINTING
Type: PictBridge (USB and Wireless LAN)
Printable images: JPEG and RAW images
Print ordering: DPOF Version 1.1 compatible

CUSTOM FUNCTIONS
Custom Functions: 23
My Menu registration: Possible
Custom shooting modes: Register under Mode Dial C
Copyright information: Entry and inclusion enabled

WIRELESS LAN
Standards compliance: IEEE 802.11b/g/n
Transmission method: DS-SS modulation (IEEE 802.11b) / OFDM modulation (IEEE 802.11g/n)
Transmission range: Approx. 30 m/98.4 ft. *With no obstructions between the transmitting and receiving antennas and no radio interference *With a large, high-performance antenna attached to the wireless LAN access point
Transmission frequency (central frequency): Frequency: 2412 to 2462 MHz, Channels: 1 to 11 ch
Connection method: Infrastructure mode*, ad hoc mode, camera access point mode *Wi-Fi Protected Setup supported
Security: Authentication method: Open system, Shared key, WPA-PSK, WPA2-PSK Encryption: WEP, TKIP, AES

NETWORK FUNCTIONS
Transfer images between cameras: Transferring one image, Transferring selected images, Transferring resized images
Connection to smartphone: Images can be viewed, controlled, and received using a smartphone. Remote control of the camera using a smartphone
Remote operation using EOS Utility: Remote control functions and image viewing functions of EOS Utility can be used via a wireless LAN.
Print from Wi-Fi printers: Images to be printed can be sent to a printer supporting Wi-Fi.
Send images to a Web service: Images to images in the camera or links to images can be sent to registered Web services
View images using a media player: Images can be viewed using a DLNA-compatible media player.

INTERFACE
Audio/video OUT/ Digital terminal: Analog video (Compatible with NTSC/PAL)/stereo audio output
Receiver GP-E2 connection: Computer communication, Direct printing (Hi-Speed USB or equivalent), GPS
HDMI mini OUT terminal: Type C (Auto switching of resolution), CEC-compatible
External microphone IN terminal: 3.5 mm diameter stereo mini-jack
Remote control terminal: For Remote Switch RS-60E3
Wireless remote control: Compatible with Remote Controller RC-6
Eye-Fi card: Compatible

POWER
Battery: Battery Pack LP-E6 (Quantity 1) *AC power can be supplied via AC Adapter Kit ACK-E6. *With Battery Grip BG-E14 attached, size-AA/LR6 batteries can be used.
Battery information: Remaining capacity, Shutter count, Recharge performance, and Battery registration possible
Number of possible shots: With viewfinder shooting:
(Based on CIPA Approx. 920 shots at room temperature (23°C/73°F),
testing standards) approx. 850 shots at low temperatures (0°C/32°F)
With Live View shooting:
Approx. 210 shots at room temperature (23°C/73°F),
approx. 200 shots at low temperatures (0°C/32°F)
Movie shooting time: Approx. 1 hr. 20 min. at room temperature (23°C/73°F),
approx. 1 hr. 20 min. at low temperatures (0°C/32°F)
*With a fully-charged Battery Pack LP-E6.

DIMENSIONS AND WEIGHT
Dimensions (W x H x D): Approx. 139.0 x 104.3 x 78.5 mm / 5.5 x 4.1 x 3.1 in.
Weight (EOS 70D (W)): Approx. 755 g / 26.7 oz. (CIPA Guidelines), approx. 675 g / 23.8 oz. (Body only)
Weight (EOS 70D (N)): Approx. 750 g / 26.5 oz. (CIPA Guidelines), approx. 670 g / 23.7 oz. (Body only)

OPERATION ENVIRONMENT
Working temperature range: 0°C–40°C / 32°F–104°F
Working humidity: 85% or less

BATTERY PACK LP-E6
Type: Rechargeable lithium-ion battery
Rated voltage: 7.2 V DC
Battery capacity: 1800 mAh
Dimensions (W x H x D): Approx. 38.4 x 21.0 x 56.8 mm / 1.5 x 0.8 x 2.2 in.
Weight: Approx. 80g / 23.6 oz.

BATTERY CHARGER LC-E6
Compatible battery: Battery Pack LP-E6
Rechargeable time: Approx. 2 hr. 30 min.
Rated input: 100 - 240 V AC (50/60 Hz)
Rated output: 8.4 V DC / 1.2 A
Working temperature range: 5°C–40°C / 41°F–104°F
Working humidity: 85% or less
Dimensions (W x H x D): Approx. 69.0 x 33.0 x 93.0 mm / 1.5 x 0.8 x 3.7 in.
Weight: Approx. 130g / 23.6 oz.

BATTERY CHARGER LC-E6E
Compatible battery: Battery Pack LP-E6
Power cord length: Approx. 1 m / 3.3 ft.
Recharging time: Approx. 2 hr. 30 min.
Rated input: 100 - 240 V AC (50/60 Hz)
Rated output: 8.4 V DC / 1.2 A
Working temperature range: 5°C–40°C / 41°F–104°F
Working humidity: 85% or less
Dimensions (W x H x D): Approx. 69.0 x 33.0 x 93.0 mm / 2.7 x 1.3 x 3.7 in.
Weight: Approx. 125 g / 4.4 oz. (excluding power cord)

EF-S18-55mm f/3.5-5.6 IS STM
Angle of view: Diagonal extent: 74°20'–27°50'
Horizontal extent: 64°30'–23°20'
Vertical extent: 45°30'–15°40'
Lens construction: 13 elements in 11 groups
Minimum aperture: f/22–36
Closest focusing distance: 0.25 m / 0.82 ft. (from image sensor plane)
Max. magnification: 0.36x (at 55 mm)
Field of view: 199 x 129–43 x 42 mm / 7.83 x 5.08–2.48 x 1.65 in. (at 0.25 m / 0.82 ft.)
Image Stabilizer: Lens shift type
Filter size: 58 mm
Lens cap: E-58 II
Max. diameter x length: Approx. 69.0 x 75.2 mm / 2.72 x 2.96 in.
Weight: Approx. 205 g / 7.2 oz.
Hood: EW-63C (sold separately)
Case: LP1016 (sold separately)

EF-S18-135mm f/3.5-5.6 IS STM
Angle of view: Diagonal extent: 74°20'–11°30'
Horizontal extent: 64°30'–9°30'
Vertical extent: 45°30'–6°20'
Lens construction: 16 elements in 12 groups
Minimum aperture: f/22–36
Closest focusing distance*: At 18 mm focal length: 0.39 m / 1.28 ft. (Approx. 372 x 248 mm / 14.6 x 9.8 in. field of view) At 135 mm focal length: 0.39 m / 1.28 ft. (Approx. 80 x 53 mm / 3.1 x 2.1 in. field of view) *Distance from image sensor plane
Max. magnification: 0.28x (at 135 mm)
Image Stabilizer: Lens shift type
Filter size: 67 mm
Lens cap: E-67 II
Max. diameter x length: Approx. 76.6 x 96.0 mm / 3.0 x 3.8 in.
Weight: Approx. 480 g / 16.9 oz.
Hood: EW-73B (sold separately)
Case: LP1116 (sold separately)

EF-S18-200mm f/3.5-5.6 IS
Angle of view: Diagonal extent: 74°20' – 7°50'
Horizontal extent: 64°30' – 6°30'
Vertical extent: 45°30' – 4°20'
Lens construction: 16 elements in 12 groups
Minimum aperture: f/22 - 36
Closest focusing distance: 0.45 m / 1.48 ft. (from image sensor plane)
Max. magnification: 0.24x (at 200 mm)
Field of view: 452 x 291 - 93 x 62 mm / 17.8 x 11.5 - 3.7 x 2.4 in. (at 0.45 m / 1.48 ft.)
Image Stabilizer: Lens shift type
Filter size: 72 mm
Lens cap: E-72 II
Max. diameter x length: Approx. 78.6 x 102.0 mm / 3.1 x 4.0 in.
Weight: Approx. 595 g / 21.0 oz.
Hood: EW-78D (sold separately)
Case: LP1116 (sold separately)

*All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
*Dimensions, maximum diameter, length 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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