SONY

ALPHA

Interchangeable-lens digital camera

α7Ⅳ

α7 IV

Next-generation Hybrid Full-Frame for Stunning Stills & Movies.

With groundbreaking performance in both still and movie recording, the α7 IV is the ideal hybrid, providing breathtaking imagery along with on-the-spot delivery and distribution. The α7 IV is a camera designed to bring to life the artistic visions of today's creators.

Contents

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Exmor RS CMOS Sensor

BIONZ XR

4K HDR

4D FOCUS

XAVC HS

CF express Type A

* No.1 image sensor manufacturer for digital cameras and video recorders. Based on Sony research – April 2019 to March 2020 (Over 50% market share).
** No.1 electronic viewfinder (EVF) device manufacturer for digital still cameras which employ EVF. Based on Sony research - April 2019 to March 2020 (Over 50% market share).

35mm Full Frame 33.0 Mega pixels

ISO [1] 100-51200 Expanded 50-204800

Phase Detection 759 AF Points

Real-time Eye AF Human/ Animal/Bird

Real-time Tracking

4K 60p [2] 4:2:2 10bit

S-Cinetone

S-Log3

Optical Steady shot [3] (Active Mode)

0.5 / 3.68 Type Million dots EVF

Refresh rate 120 fps EVF

Dual slots SDXC UHS-II Slot 1 compatible with CFexpress Type A

SuperSpeed USB 10Gbps

Wi-Fi [4] 802.11ac

[1] ISO100~51200 for stills and movies.
[2] [APS-C S35 shooting] is locked to [On] when shooting movies in 4K 60p/50p.
[3] For movies. Slight image crop in Active Mode. "Standard" setting recommended for focal lengths of 200mm or longer. Active Mode is not available for 8K recording.
[4] 5 GHz communication may be restricted in some countries and regions.

A Brand-new Imaging Experience

Go places with cutting-edge imaging capabilities and bring your artistic visions to life. The possibilities are endless when you're shooting with the α7 IV.

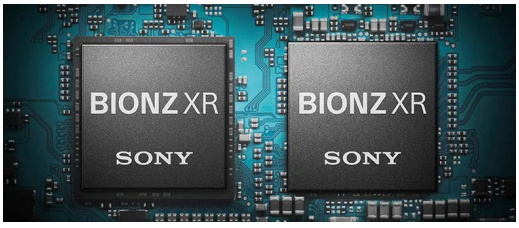
Newly developed 33MP[1] full-frame back-illuminated CMOS image sensor

Delivering outstanding performance and excellent image quality in both stills and movies, the α7 IV's new 33.0 megapixel[1] Exmor R™ CMOS image sensor provides high-speed readout, high sensitivity, low noise, and highly accurate colour reproduction.

[1] Approximate effective.

Flagship-level image processing with BIONZ XR™

The α7 IV uses the latest image processor to offer greatly enhanced performance, with improved image quality and colour reproduction. Fast processing speeds facilitate comfortable continuous shooting as well as responsive operation while performing data transfers.



Still Photography without Compromise

The best part about photography is breathing life into scenes frozen in time. The α7 IV captures every moment in stunning resolution, depth and detail, so that what you see is what you capture.

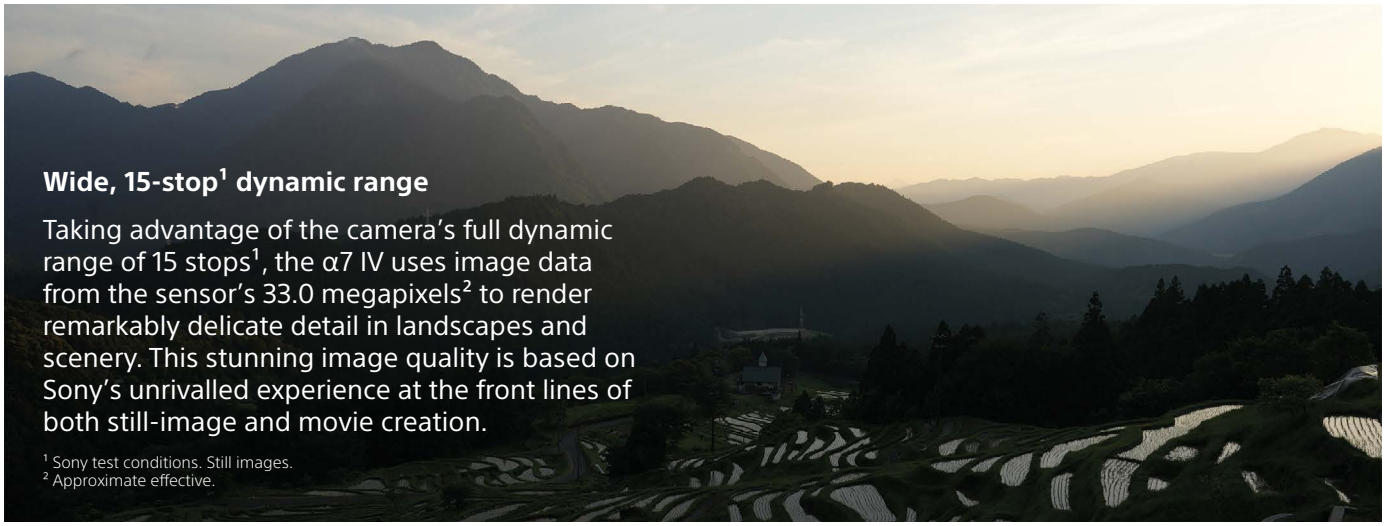
Higher resolution, better colour reproduction

The new 33MP[1] image sensor and processing engine raise the bar for image quality. In addition to boasting a larger pixel count and higher resolution than the α7 III, the α7 IV and its powerful Exmor R sensor represent a significant evolution of Sony's original image technology, for improvements that go beyond mere numbers. Experience new levels of colour gradation and detail rendering as well as soft, natural-looking human skin textures.

[1] Approximate effective.

Beautiful images with reduced noise

Building on the capabilities of the back-illuminated image sensor, the BIONZ XR engine reveals even higher subjective resolution combined with exquisite detail and texture even in medium and high sensitivity ranges. Impressively low levels of noise are achieved throughout the standard range of ISO 100-51200 (expandable to ISO 50-204800 for stills and ISO 100-102400 for movies).



Wide, 15-stop[1] dynamic range

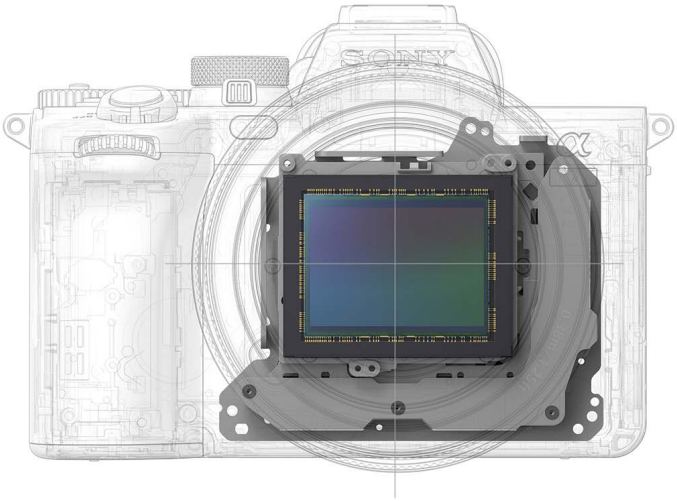
Taking advantage of the camera's full dynamic range of 15 stops[1], the α7 IV uses image data from the sensor's 33.0 megapixels[2] to render remarkably delicate detail in landscapes and scenery. This stunning image quality is based on Sony's unrivalled experience at the front lines of both still-image and movie creation.

[1] Sony test conditions. Still images.
[2] Approximate effective.

5-axis optical image stabilisation – up to 5.5-step[1] shutter-speed compensation from the in-body stabilisation unit

The α7 IV's high-precision stabilisation unit and gyro sensors work together with image-stabilisation algorithms to achieve up to 5.5[2] steps of shutter-speed compensation, to maximise the high-resolution performance of the camera's 33.0MP[3] image sensor.

[1] CIPA standards. Pitch/yaw shake only.
Planar T* FE 50mm F1.4 ZA lens.
Long exposure NR off. Still-image mode.
[2] Imaging Edge Desktop (Remote/Viewer/Edit) version 3.2 or later is required to view and edit HEIF images.
[3] Approximate effective.



Quickly set the visual mood with ten Creative Look presets

A selection of ten Creative Look presets and eight parameters can quickly craft a mood for your still images, movies and live streams. And since no post-editing is needed, you can share your vision immediately after shooting.

10-bit HEIF[1] still-image format for smooth gradations

Along with conventional RAW and JPEG, you can choose the HEIF (High Efficiency Image File) format for still-image capture. Smooth 10-bit colour depth provides realistic reproduction of skies and portrait subjects where subtle, natural gradation is essential.

[1] Imaging Edge Desktop (Remote/Viewer/Edit) version 3.2 or later is required to view and edit HEIF images.

Sony's flash units coordinate with the camera's face-detection system

Sony's latest flash units communicate fully with the α7 IV, leveraging its powerful face detection capabilities to adjust exposure to produce natural-looking skin tones[1]. Precise white balance synchronisation and P-TTL metering, at up to the 'Hi' level of continuous-burst speeds, reliably expose even fast-moving subjects with quick lighting changes, for unmatched dependability and creative possibilities.

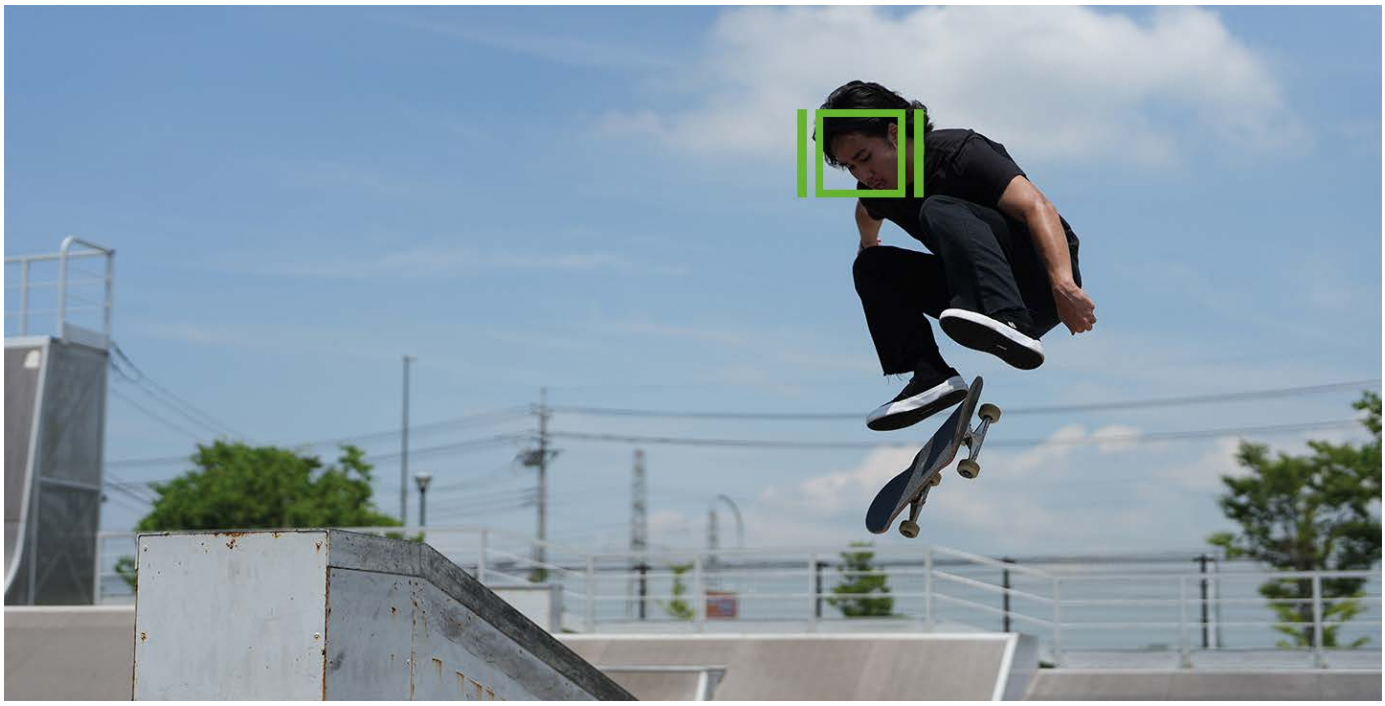
[1] When using a compatible flash unit from Sony.

External control of flash units

For greater convenience during shoots, compatible flash and radio wireless commander units connected to the α7 IV can now be controlled directly from the camera interface.

Reliable Autofocus, Impressive Speed

When you want to focus on capturing crucial moments, you can always count on the α7 IV to back you up with reliable autofocus and processing speed. Simply let your creativity flow while the α7 IV takes care of the rest.



Sony's smart AI-based Real-time Tracking[1]

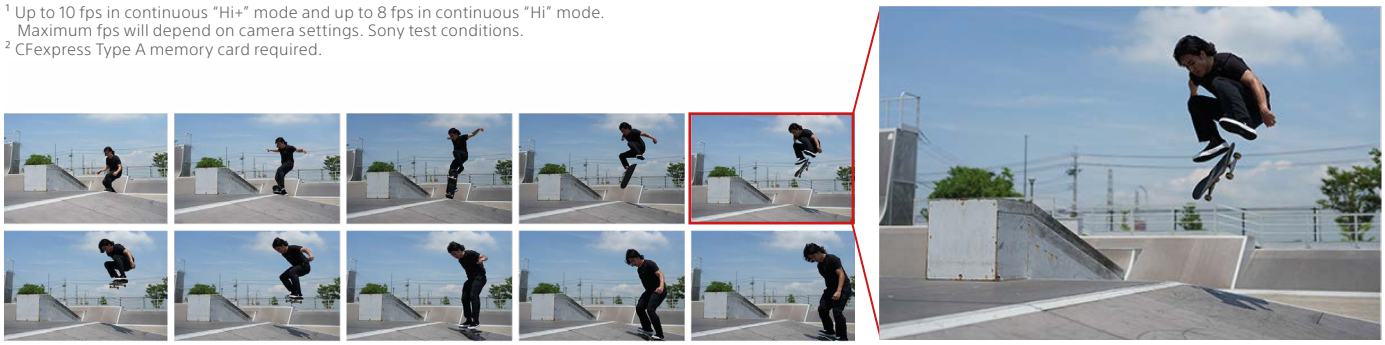
Sony's unique subject recognition algorithm uses colour, pattern (brightness), and subject distance (depth) data to rapidly process spatial information in real time. AI is used to detect and track the eyes and face of the subject (human, animal or bird) with extremely high precision. Just select the subject to track, then leave it to the camera.

[1] "Tracking" in the menu.

10-frame-per-second[1] continuous shooting with fast buffer release

Both the mechanical and electronic shutters allow you to shoot more than 800 frames at up to 10 fps with AF/AE tracking, thanks to the α7 IV's high-capacity buffer memory, speedy BIONZ XR processor and improved memory-card writing speed.

[1] Up to 10 fps in continuous "Hi+" mode and up to 8 fps in continuous "Hi" mode. Maximum fps will depend on camera settings. Sony test conditions.
[2] CFexpress Type A memory card required.

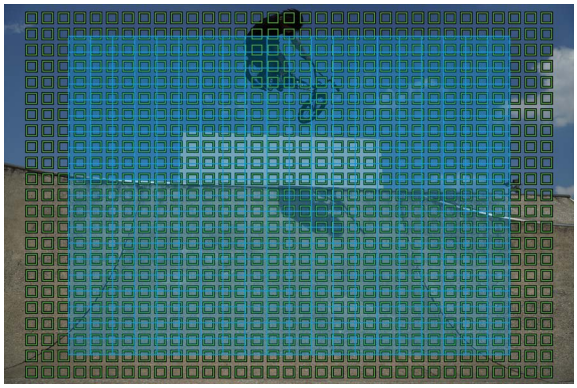


Fast Hybrid AF, evolved

The Fast Hybrid AF system, combining phase-detection AF and contrast-detection AF, has evolved even further to achieve greater speed, accuracy and tracking performance. With Sony's 4D FOCUS, a wide, dense AF area covers roughly 94% of the image area for both stills and movies with 759[1] phase-detection AF points.

Phase-detection AF coverage (759 points)
Contrast-detection AF coverage (425 points)

[1] 759 AF measurement points for still images. The number of points used varies according to the shooting mode.



Phase-detection AF coverage (759 points)
Contrast-detection AF coverage (425 points)

Improved Real-time Eye AF

The high speed of the latest image processing engine provides a significant boost to Real-time Eye AF performance, even when the subject is looking up, down, or sideways. It is also possible to use Touch Tracking to initiate Real-time Tracking of any subject in the frame, simultaneously initiating Real-time Eye AF if an eye is detected, simply by touching the screen. Concentrate on composition of your shots while the α7 IV takes care of the rest.

Pet photos made easy

Enjoy fast, accurate focus for difficult animal shots[1]. By setting the camera's subject detection type to "Animal" in advance, you can automatically detect and track an animal's eyes[2], for greater success in both wildlife shots and photos and movies of your pets at home. Animal-eye detection has been improved, with reliable tracking and accurate focus even when the animal's face is upside down.

[1] Accurate focus may not be achieved with certain subjects in certain situations.
[2] "Tracking" in the menu.

Real-time Eye AF for birds[1]

For the first time in the α series, bird-eye detection is available in movies as well as still shots – simply preset the subject to "bird". The camera's astonishing speed and precision allow automatic tracking of a specific bird[2], whether it's perched somewhere or in flight, keeping the eye in steady focus despite any fast and unpredictable movements.

[1] Accurate focus may not be achieved with certain subjects in certain situations.

Movie Imagery, Moving Ever Forward

An extremely well-rounded hybrid camera, the α7 IV provides you with all the features and capabilities you need for you to shoot your next creative film.

4K 60p[1] movies with smooth, natural-looking capture

It is now possible to record movies at up to 4K 60p[1] with full pixel readout and without binning, taking advantage of the α7 IV's brand-new image sensor and wide dynamic range for smooth images of fast-moving subjects.

[1] QFHD (3840×2160). 4K 60p (50p) recording available in Super 35mm mode only.

7K[1] oversampling for beautifully expressive, richly detailed images

When recording 4K[2] movies at up to 30p, full-frame 7K oversampling is possible, resulting in high-resolution, highly detailed 4K[2]. Select the mode that best suits your purpose, and let the camera deliver.

[1] 7032 x 3958.
[2] QFHD (3840×2160).

Next-level image quality with 10-bit 4:2:2 recording

Make in-camera recordings with the amazing richness of 10-bit depth and 4:2:2 colour sampling, with either Long GOP or All-Intra frame encoding, for far greater flexibility in image grading, post-processing and compositing.

All-Intra encoding supported in addition to Long GOP

All-Intra[1] recording encodes every frame independently, at bitrates of up to 600Mbps[2], capturing complex motion more accurately and allowing more efficient editing workflows.

[1] All-Intra (All-I) [2] Long GOP [3] Group of Pictures

[1] When XAVC S-I 4K or HD is selected via the file format menu.
[2] SDXC memory card (V90 or higher) or CFexpress Type A memory card (VPG200 or higher) required.

Superior quality and smaller file sizes with XAVC HS[1]

The XAVC HS[1] recording format uses HEVC/H.265 encoding to achieve twice the compression efficiency of AVC/H.264 encoding, for superior image quality and smaller, space-saving file sizes.

[1] XAVC HS compatible editing software is required.

Support for S-Cinetone™, Creative Look and S-Log3

The S-Cinetone colour matrix, based on technology acquired through development of CineAlta cameras such as the VENICE, produces an impressive look with beautiful skin tones without post-editing. The Creative Look presets create other interesting visual moods in-camera, or you can use S-Log3 gamma to access the camera's full dynamic range (15+ stops[1]) for smoother post-production workflows.

[1] Sony test conditions.

Created For Your Magnum Opus

Brimming with various features to enhance your video shooting workflow, so you can focus on telling your story while the α7 IV takes care of everything else.

New Breathing Compensation[1]

The α7 IV leverages our parallel lens and camera development to provide innovative Focus Breathing Compensation, exclusively for Sony's E-mount lenses. By minimising the field-of-view shift that can occur, during movie shooting, when you rack focus with some lenses, you can achieve impressive results – for new creative possibilities from a diverse range of Sony's E-mount lenses.

[1] Angle of view and image quality may change slightly when this feature is turned on. Breathing Compensation is not available for unsupported lenses, 120p (100p) movie recording, S&Q recording at 120p (100p), or stills. Compatibility of lenses is limited. Please see Sony support page for lens compatibility.

Focus Map to visualise depth of field

Answering a request from professional creators, the brand-new Focus Map feature lets you easily visualise depth of field when you're shooting[1]. In use, focus (depth map) information is overlaid on a display of the live view in real time, so you can easily see which areas are in or out of focus.

[1] The Focus Map function cannot be used in the following conditions: When shooting stills, when the Focus Magnifier function is in use, when using digital zoom, during USB streaming, when no lens is mounted, when an A-mount lens is mounted, or when using the SEL16F28. For other lenses, please use the latest firmware.

AF Assist[1] supports focus transitions when using AF

Inherited from the Cinema Line FX6, the AF Assist function smoothly switches between auto and manual focus. Rack focusing is possible by rotating the focus ring to switch into MF and shift focus to a different subject, with AF resumed when ring rotation stops.

[1] Not available when using the SELP1650, SEL18200LE or A-mount lenses.

Focus fine-tuning for true creative freedom

Fine-tuned focus features, also used in higher-end models such as the α1 and the α7S III, enable creative movie options like rack focus, quick switches of AF target, and highly customisable subject tracking sensitivity.

High-performance 'Active Mode' image stabilisation

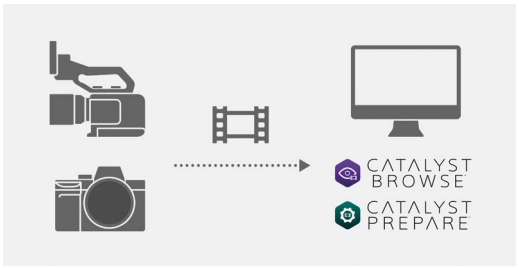
Enjoy reliable built-in support for handheld movie shooting. Active Mode[1] stabilisation for movie shooting is built on the camera's highly accurate stabilisation unit, gyro sensors and sophisticated algorithms. It precisely detects the required amount of compensation and applies stabilisation, providing stable 4K movie shooting[2] without compromising the α7 IV's compact size and mobility.

[1] Slight image crop in Active Mode. "Standard" setting recommended for focal lengths of 200mm or longer.
[2] Active Mode is not available when recording at 120 (100) fps.

Beautiful imagery with better image stabilisation

Because the α7 IV records gyro and lens data as metadata, you can use Catalyst Browse/Prepare software[1] [2] to further smooth camera shake and make adjustments to image stabilisation even after shooting.

[1] Catalyst version 2021.1 or later is required.
[2] Camera image stabilisation must be set to [Off] or [Active] in order to use the recorded metadata for image stabilisation. Gyro data is not recorded when 120 fps or 100 fps is selected.



Digital audio interface for excellent sound quality

The Multi Interface (MI) Shoe enables cable-less connection, directly transferring the digital audio signal for high-quality sound without degradation, while also supplying power and eliminating concerns about mic batteries.

Integrated microphone wind noise reduction

Using newly developed signal-processing technology, when wind-noise reduction[1] is set to "Auto" and wind noise is detected, the noise will be greatly reduced without affecting other sounds.

[1] Effectiveness may vary according to conditions.

Easy, Reliable Operation

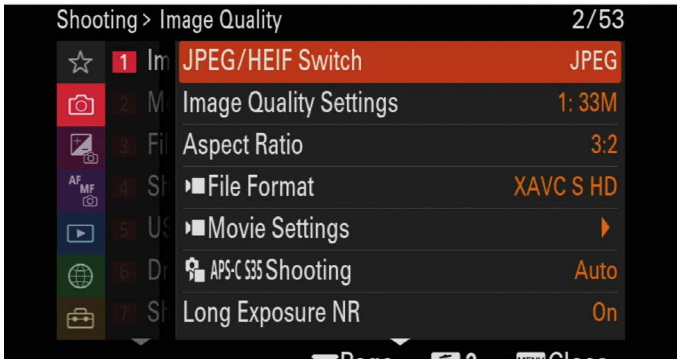
Visual creation goes beyond the primary act of shooting imagery. Once your images are captured, they need to be sorted, edited, and delivered. The α7 IV and α ecosystem provide all the support you need for a fast, efficient workflow.

Dedicated Still/Movie/S&Q dial

Switch the Still/Movie/S&Q dial and the camera will instantly change menus, button assignments and settings like aperture and shutter speed to correspond to your chosen mode, making it easy to take advantage of the hybrid nature of the camera.

Improved menu structure

Responding to feedback from professional photographers and videographers, we have adopted a menu structure similar to that used in the α7S III and α1 in order to allow better visibility with a single glance.



High-resolution 3.68 million-dot[1] Quad-VGA OLED viewfinder

The camera's Quad-VGA OLED viewfinder has roughly 1.6x the resolution of the α7 III viewfinder, with a 37.3° FOV and a 23mm high eyepoint.

[1] Approximate

Side-opening vari-angle rear monitor for flexible shooting

Broad positioning and framing freedom for both still and movie shoots is provided by the 3.0-type 1.03-million-dot[1] LCD touch-panel monitor, with convenient side opening and 3:2 aspect ratio.

[1] Approximate

Intuitive touch operations[1]

Touch operation is now possible for AF operations such as Touch Tracking during shooting. Along with pinch-to-zoom during playback, this translates into more intuitive operation.

[1] Touch Operation must be turned on in advance via the menu.

Customisable "Rear dial R"[1] for convenient access to features

The α7 IV incorporates a freely customisable rear dial in place of the previous exposure compensation dial, giving you quick access to features such as ISO control, Creative Look or other settings.

[1] The new dial is named "Rear dial R", and the existing dial has been renamed "Rear dial L".

A New Era of Image Communication

In this age when digital media and social sharing take centre stage, you'll want to be equipped with reliable gear to capture the different facets of your life. Fitted with easy sharing functions and improvements to editing workflow, the α7 IV exceeds expectations in performance to support you in your social sharing ventures.

Instantly turn your α7 IV into a web camera

All it takes is a USB connection to turn the full-frame α7 IV into a high-performance webcam. There's no need for complicated advance setup, just connect the camera to a computer or smartphone via USB[1], select "Live Stream (USB Streaming)", and you're set.

[1] Your PC or smartphone OS must be compatible with UVC/UAC to use this functionality. A commercially available USB cable and/or terminal adaptor may be used to connect to equipment with a USB Type-C port.

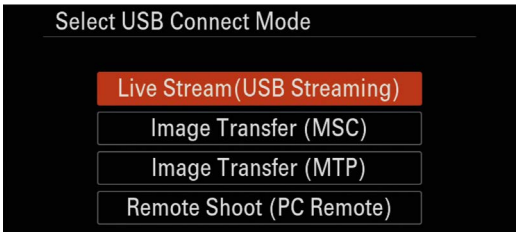
4K[1] / Full HD Live

The α7 IV supports UVC (USB Video Class) / UAC (USB Audio Class) standards that are usually included in USB cameras, so there's no need to prepare dedicated software in advance. Just connect via USB and get ready to go live at up to 4K resolution[2].

[1] QFHD (3840×2160).
[2] QFHD (3840×2160). Available formats are 4K 15p (12.5p), Full HD 60p (50p), Full HD 30p (25p), and HD720 30p (25p).

Quick and easy setup for live streaming

The α7 IV makes live streaming easy. When you connect to a computer via USB, the USB function selection menu will pop up on the camera display. Simply select "Live Stream (USB Streaming)" and you'll switch to that mode immediately, without needing any advance setup.

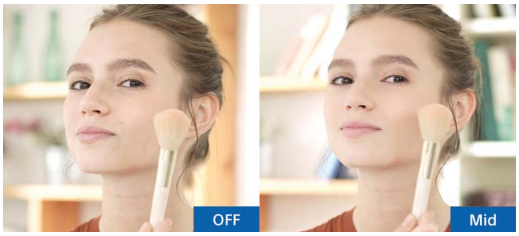


Changeable lenses expand your expressive options during live streaming

With more than 60 Sony original E-mount lenses, from wide to telephoto focal lengths, plus premium and specialist creative lenses, there are near-limitless expressive choices for your streaming or sharing.

Soft Skin Effect

The α7 IV's built-in Soft Skin Effect makes skin look bright and beautiful, softening wrinkles, blemishes and dull-looking areas while adding emphasis to the eyes and mouth. This feature is available for still shots, movies and live streaming.



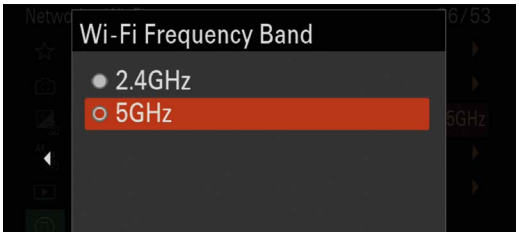
Share your still images and movies immediately

The α7 IV is designed to make sharing easy, so you can share your fresh images, and your vision, with the world immediately.

5GHz[1] Wi-Fi

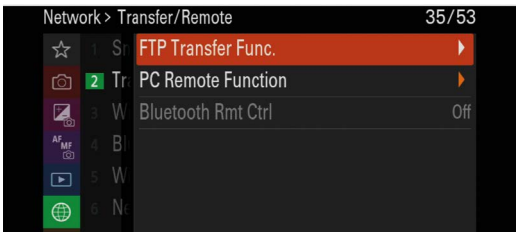
Wireless LAN functionality is available, with a 5GHz[1] band in addition to the conventional 2.4GHz band (IEEE 802.11a/b/g/n/ac standards are supported). The benefits of 5GHz[1] communication include faster data transfer.

[1] 5GHz communication may be restricted in some countries and regions.



Background FTP file transfer

This feature lets you transfer still-image and movie files to a specified remote FTP server via wireless LAN, high-speed wired LAN (via a compatible USB-Ethernet adaptor cable to the camera's USB Type C® port), or a USB-tethered smartphone.



Improvements in selection and editing workflow

The α7 IV incorporates a number of individual improvements to image selection and editing, adding up to a smoother overall workflow that allows large amounts of data to be efficiently managed.

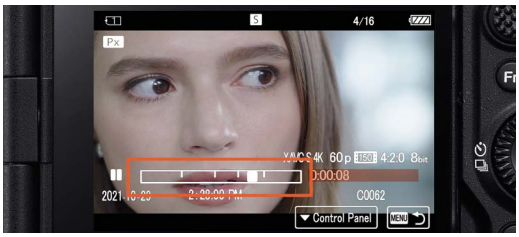
Create Divider Frames[1] [2] for faster access and selection

Still-image Divider Frames[1] [2] can be inserted between images[3] in order to quickly locate desired scenes; a black background with a grey arrow indicates a new scene or section.

[1] The divider frame is a still image and will not be visible when only movie files are being displayed.
[2] Divider frames are created in JPEG format, even when shooting RAW, RAW+JPEG, or HEIF images.
[3] Available when assigned to a custom button.

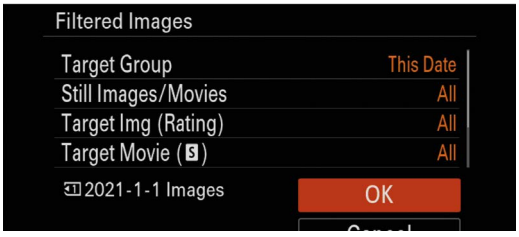
Adding movie markers (essence marks)

Two types of shot marks, used as "essence marks" or flags, can be easily added to recorded movie footage to mark favourite takes or scenes, and the main dial can be used to quickly navigate from one mark to the next during playback.



Numerous choices in selecting files to be transferred

Files can be selected to be transferred according to criteria such as rating, shot marks, protection status or file format. Single files can be transferred manually with a custom button.



Additional features available with Imaging Edge Mobile™

Sharing and connectivity with Sony's Imaging Edge Mobile app[1] is now even easier and more powerful. Quickly configure camera Wi-Fi settings using the low-power Bluetooth® connection, and enjoy greater control over automatic image transfers.

[1] Imaging Edge Mobile™ version 7.6 or later is required.

Seamless Data Transfers

Enhance the quality and efficiency of production work such as remote shooting and RAW development with the Imaging Edge Desktop™ application.

Imaging Edge Desktop™ for Remote, Viewer, and Edit functions[1]

Elevate your photography with Imaging Edge desktop applications. Use “Remote” to control and monitor shooting live on your PC screen; “Viewer” to quickly preview, rate, and select photos from large image libraries; and “Edit” to develop RAW data into high-quality photos for delivery[2].

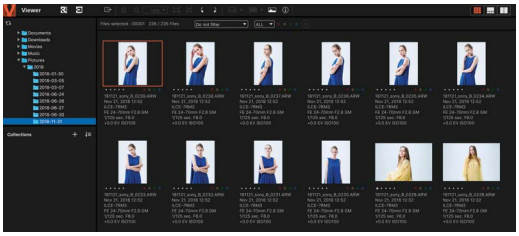
[1] Imaging Edge Desktop version 3.2 or later is required.
[2] Does not support full functional compatibility with some camera models. See the Sony support site for details: https://www.sony.net/disoft/help

Remote

Wired or Wireless tethering shooting function using live view, which allows you to control the connected camera via the app. You can fine-tune f-stop, shutter speed, ISO, focus, composition and other parameters, as well as perform Focus Magnification, Pixel Shift Multi Shooting and Interval Shooting.

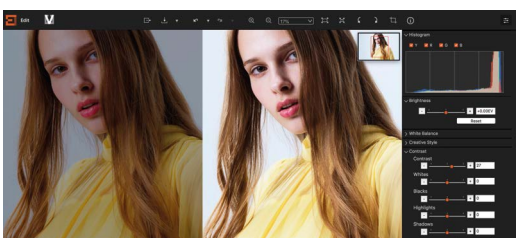
Viewer

You can browse and rate RAW images after shooting with Remote App, select files for editing in the Edit App, and apply batch editing to a selected group of photos. Thumbnail, Preview and Comparison display viewing modes aid your workflow pace to make quick selections of the best images.



Edit

High-quality RAW file development workflow that gives you the freedom in editing RAW files to fine-tune exposure, tone curves, white balance, saturation, hue, sharpness, noise reduction and more. The Edit app also allows you to edit and develop the images generated by Pixel Shift Multi Shooting.



Find out more about how Imaging Edge can help improve the quality and efficiency of your photographic works at https://imagingedge.sony.net

Consideration for the Environment

Sony continues to draw inspiration from the world around us, applying creativity and technology towards our "Road to Zero" environmental plan to be achieved by 2050.

Aiming to achieve a zero environmental footprint

Inspired by the beauty of the world, Sony is doing its part to help preserve the Earth, while still allowing creators to produce even more beautiful and creative imagery. With a goal of achieving a zero environmental footprint across the entire Sony Group by the year 2050, we are accelerating numerous initiatives for the environment.

Applying our plan to the α7 IV

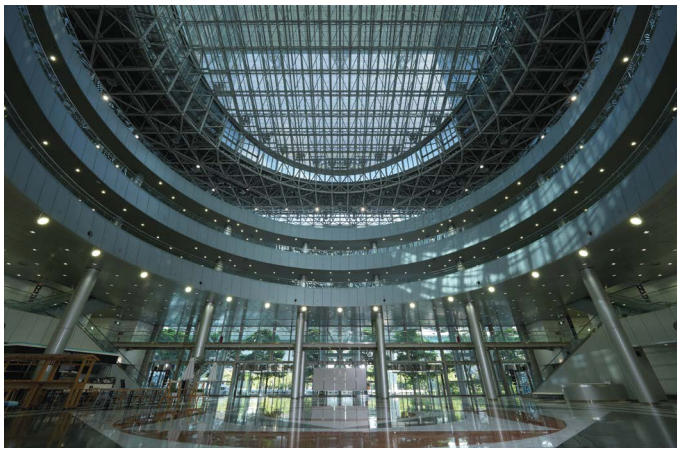
The α7 IV is no exception as we work to help preserve the environment. As with other new Sony products, the entire environmental life cycle of the α7 IV has been considered, through development, production, packaging and logistics. High-performance recycled, and recyclable, plastic is used for various camera body components, alongside more recyclable packaging. Our production sites also leverage renewable, large-scale solar generation to reduce production energy impacts.

Lenses that Bring Out the Best in the α7 IV

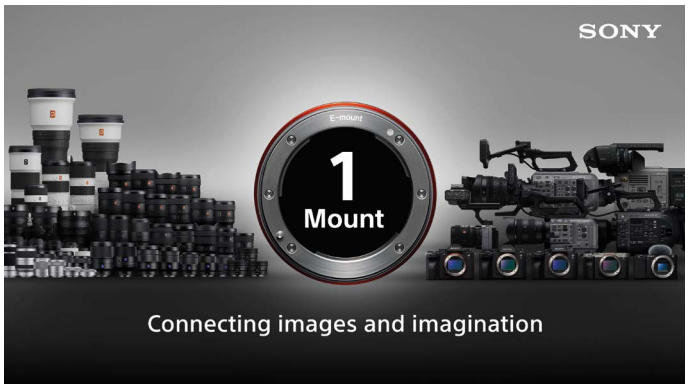
Forged through extraordinary technological evolution and commitment, Sony's E-mount lenses draw out your α7 IV's true imaging potential, allowing you to shoot state-of-the art stills and movies with absolute confidence.

FE 50mm F1.2 GM (SEL50F12GM)
1/500 sec., F2.5, ISO 400

FE 35mm F1.4 GM (SEL35F14GM)
1.6 sec., F8, ISO 100



FE 14mm F1.8 GM (SEL14F18GM)
1/5 sec., F11, ISO 100



One Mount

The One Mount concept brings Sony's most advanced imaging technology together via the E-mount platform, seamlessly connecting full-frame and APS-C, stills and movies, amateurs and professionals through a versatile range of camera bodies and lenses that offer unlimited creative potential.

Sony | One Mount Page:
https://www.sony.net/onemount

E-mount G Master™ G MASTER

FE 14mm F1.8 GM
(SEL14F18GM)

FE 24mm F1.4 GM
(SEL24F14GM)

FE 35mm F1.4 GM
(SEL35F14GM)

FE 50mm F1.2 GM
(SEL50F12GM)

FE 85mm F1.4 GM
(SEL85F14GM)

FE 100mm F2.8 STF GM OSS
(SEL100F28GM)

FE 135mm F1.8 GM
(SEL135F18GM)

FE 12-24mm F2.8 GM
(SEL1224GM)

FE 16-35mm F2.8 GM
(SEL1635GM)

FE 24-70mm F2.8 GM
(SEL2470GM)

FE 70-200mm F2.8 GM OSS II
(SEL70200GM2)

FE 100-400mm F4.5-5.6 GM OSS
(SEL100400GM)

FE 400mm F2.8 GM OSS
(SEL400F28GM)

FE 600mm F4 GM OSS
(SEL600F40GM)

E-mount G Lens™ G

FE 20mm F1.8 G
(SEL20F18G)

FE 24mm F2.8 G
(SEL24F28G)

FE 40mm F2.5 G
(SEL40F25G)

FE 50mm F2.5 G
(SEL50F25G)

FE 90mm F2.8 Macro G OSS
(SEL90M28G)

FE 12-24mm F4 G
(SEL1224G)

FE C 16-35mm T3.1
(SELC1635G)

Teleconverter Lens

1.4x Teleconverter Lens
(SEL14TC)

FE 24-105mm F4 G OSS
(SEL24105G)

FE PZ 28-135mm F4 G OSS
(SELP28135G)

FE 70-200mm F4 G OSS
(SEL70200G)

FE 70-300mm F4.5-5.6 G OSS
(SEL70300G)

FE 200-600mm F5.6-6.3 G OSS
(SEL200600G)

2.0x Teleconverter Lens
(SEL20TC)

Options for Expanded Still and Movie Capability

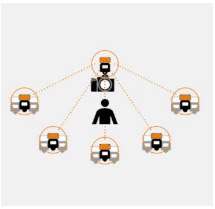
Vertical Grip

VG-C4EM

- Optimum hold[1] and control comfort when shooting in vertical orientation
- Houses two NP-FZ100 batteries for longer operation, and supports USB charging via the camera

These vertical grips duplicate the controls on the respective camera bodies, providing the same control access for vertical shooting. The grip shape is the same too, for seamless, comfortable switching between horizontal and vertical orientation. Both models feature the same magnesium-chassis rigidity as the bodies. The VG-C4EM equals the dust and moisture resistance of the α7 IV body[2]. In addition to holding two NP-FZ100 batteries for extended shooting time, camera and battery charging power can be supplied via the USB connector.[3]

[1] Simultaneous use with LE-EA2 or LA-EA4 mount adaptor not supported due to narrow clearance between mount adapter and vertical grip.
[2] Not guaranteed to be 100% dust and moisture proof.
[3] Power supply and charging cannot be carried out simultaneously.



Radio Wireless Flash

HVL-F60RM2

- Pro-performance clip-on flash with high GN60[1] output
- Functions as a wireless radio commander or receiver in multi-flash setups

The HVL-F60RM2 is powerful and convenient for use in the field or studio, delivering up to Guide Number 60[1] power with a 1.7-second[2] recycle time. It can be used as a wireless radio receiver or commander that can control up to 15 compatible off-camera flash units or receivers in up to 5 groups.[3] Radio wireless works reliably at distances up to 30 meters.[4] High-visibility menus and a Quick Navi interface offer easy, intuitive operation, while customizable keys give you direct access to the functions you use the most. The flash head rotates and tilts for flexible lighting in a wide range of situations, and the overall design is dust and moisture resistant[5] for high reliability. An AF illuminator light is included for reliable focusing.

[1] 200mm at ISO 100 in metres.
[2] 1/1 manual flash emission, alkaline batteries.
[3] Up to 5 groups in GROUP mode, and up to 3 groups in TTL or MANUAL mode.
[4] Internal Sony tests.
[5] Not guaranteed to be 100% dust and moisture proof.

CFexpress Type A Memory Cards

CEA-G80T/CEA-G160T

- Ultra-fast write speeds of up to 700MB/s[1] for stress-free burst and high-resolution imaging.
- VPG (Video Performance Guarantee) 400 supported.
- Enhanced workflow with extremely high read speeds of up to 800MB/s[1].
- TOUGH & IP57-rated for professional reliability.
- Effective heat dissipation for long movie shooting.
- Use with dedicated MRW-G2 card reader for dramatically improved workflow efficiency.

[1] Based on Sony testing. Actual performance may vary depending on environment and usage.

Flash

HVL-F46RM

Flash

HVL-F28RM

Shotgun Microphone

ECM-B1M

Rechargeable Battery Pack

NP-FZ100

Multi Battery Adaptor Kit

NPA-MQZ1K

Battery Charger

BC-QZ1

Power

Z-series Rechargeable Battery Pack
NP-FZ100

Battery Charger for NP-FZ100
BC-QZ1

Multi Battery Adaptor Kit
NPA-MQZ1K

Vertical Grip

Vertical Grip for α9 II and α7R IV
VG-C4EM

Screen Protector

Screen Protect Glass Sheet
PCK-LG2

Flash

Multi Interface Shoe

GN60 Wireless Radio Control External Flash
HVL-F60RM2

GN46 Wireless Radio Control External Flash
HVL-F46RM

External Flash with Wireless Radio Control
HVL-F28RM

External Flash For Multi-Interface Shoe
HVL-F32M

External Flash for Multi Interface Shoe
HVL-F20M

Wireless Radio Commander
FA-WRC1M

Wireless Radio Receiver
FA-WRR1

External Battery Adaptor for Flash
FA-EBA1

Microphone

Multi Interface Shoe

XLR Adaptor Kit
XLR-K3M

Shotgun Microphone
ECM-B1M

Wireless Microphone
ECM-W2BT

Stereo Lavalier Microphone
ECM-LV1

XYST1M Stereo Mic for Multi-Interface Shoe
ECM-XYST1M

Gun zoom Microphone
ECM-GZ1M

Tripod / Commander

Shooting Grip with Wireless Remote Commander
GP-VPT2BT

Compact folding Tripod
VCT-P300

Remote Commander
RMT-P1BT

Monitor

Clip-On LCD Monitor
CLM-FHD5

Eyepiece Cup for α cameras
FDA-EP19

Sony | Accessory Support Page:
https://www.sony.net/dics/acc/

Sony | Photo Gallery:
https://www.sony.net/Products/di_photo_gallery/

Sony | Camera Channel:
https://www.youtube.com/c/ImagingbySony

Controls

1 AF illuminator/ Self-timer lamp/ Visible light and IR sensor
2 Front dial
3 Image sensor
4 Lens contacts
5 Lens release button
6 Mounting index
7 Mount

8 Hook for shoulder strap
9 Microphone jack
10 HDMI type A jack
11 Headphones jack
12 USB Type-C terminal
13 Charge lamp
14 Speaker
15 Multi/Micro USB Terminal

16 Image sensor position mark
17 Microphone
18 Multi Interface Shoe
19 Microphone
20 Still/Movie/S&Q dial
21 C2 button (Custom button 2)
22 ON/OFF (Power) switch
23 MOVIE (Movie) button
24 Mode dial
25 Rear dial L
26 Shutter button
27 Rear dial R
28 Exposure compensation dial lock release button

29 For shooting: C3 button (Custom button 3)
For Viewing: Protect button
30 MENU button
31 Eyepiece Cup
32 Monitor
33 Eye sensor
34 Viewfinder
35 C1 button (Custom button 1)
36 For shooting: AF-ON (AF On) button
For viewing: Enlarge button
37 For shooting: AEL button
For viewing: Image index button
38 Multi-selector
39 For shooting: Fn (Function) button
For viewing: Send to Smartphone button
40 Control wheel
41 For shooting: C4 button (Custom button 4)
For viewing: Delete button
42 Access lamp
43 Playback button

44 Battery cover
45 Tripod socket hole

46 Diopter-adjustment dial
47 Hook for shoulder strap
48 Media slot cover

Main Specifications

General	Camera Type	Interchangeable lens digital camera
	Lens Mount	E-mount
Image sensor	Type	35 mm full frame (35.9 x 23.9 mm), Exmor R CMOS sensor
	Number of Pixels (effective)	Approx. 33.0 megapixels
	Number of Pixels (total)	Approx. 34.1 megapixels
	Aspect Ratio	3:2
	Colour Filter	R, G, B primary colour
	Anti-Dust System	Yes (Charge protection coating on optical filter and image sensor shift mechanism)
Recording (still images)	Recording Format	JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 4.0 format compliant)
	Image Size (pixels)	[3:2] 35 mm full frame L: 7008 x 4672 (33 M), M: 4608 x 3072 (14 M), S: 3504 x 2336 (8.2 M), APS-C M: 4608 x 3072 (14 M), S: 3504 x 2336 (8.2 M)
		[16:9] 35 mm full frame L: 7008 x 3944 (28 M), M: 4608 x 2592 (12 M), S: 3504 x 1968 (6.9 M), APS-C M: 4608 x 2592 (12 M), S: 3504 x 1968 (6.9 M)
	Image Quality Modes	RAW (Compressed / Lossless Compressed / Uncompressed), JPEG (Extra fine / Fine / Standard / Light), HEIF (4:2:0 / 4:2:2) (Extra fine / Fine / Standard / Light), RAW & JPEG, RAW & HEIF
	RAW Output	Yes
	Picture Profile	Yes (Off / PP1-PP11) Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, ITU709 (800%), S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Colour Mode, Saturation, Colour Phase, Colour Depth, Detail, Copy, Reset
	Dynamic Range Functions	Off, Dynamic Range Optimizer
	Colour Space	sRGB standard (with sYCC gamut), Adobe RGB standard and Rec. ITU-R BT.2100 standard (BT.2020 gamut).[1]
Recording system (movie)	Recording Format	XAVC S, XAVC HS
	Video Compression	XAVC S: MPEG-4 AVC/H.264, XAVC HS: MPEG-H HEVC/H.265
	Audio Recording Format	LPCM 2 ch (48 kHz 16 bit), LPCM 2 ch (48 kHz 24 bit)[2], LPCM 4 ch (48 kHz 24 bit)[2], MPEG-4 AAC-LC 2 ch[3]
	Creative Look	ST, PT, NT, VV, VV2, FL, IN, SH, BW, SE, Custom Look (1-6)
	Picture Profile	Yes (Off / PP1-PP11) Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, ITU709 (800%), S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Colour Mode, Saturation, Colour Phase, Colour Depth, Detail, Copy, Reset
	Colour Space	Rec. ITU-R BT.2100 standard compatible (BT.2020 gamut)[4]
	Image Frame Rate	NTSC mode: 1fps,2fps,4fps,8fps,15fps,30fps,60fps,120fps[7][8] PAL mode: 1fps,2fps,3fps,6fps,12fps,25fps,50fps,100fps[7][8]
	Movie Functions	Yes
Recording system	Location information Link from smartphone	Yes
	Media	SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), CFexpress Type A memory card
	Memory Card Slot	SLOT1: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card, SLOT2: Slot for SD (UHS-I/II compliant) memory card
Noise Reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 s, High ISO NR: Normal / Low / Off	
White Balance	Modes	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Flash / Underwater / Colour Temperature (2500 to 9900 K) & colour filter / Custom

Focus	Focus Sensor	Exmor R CMOS sensor
	Focus Point	35 mm full frame: 759 points (phase-detection AF), APS-C mode with FF lens: 713 points (phase-detection AF), with APS-C lens: 575 points (phase-detection AF) / 425 points (contrast-detection AF)
	Focus Sensitivity Range	EV-4 to EV20 (ISO100 equivalent with F2.0 lens attached)
	Focus Mode	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
	Focus Area	Wide / Zone / Center Fix / Spot / Expand Spot / Tracking
	Other Features	Predictive control, Focus lock, AF Track Sens. (Still), AF Subj. Shift Sensitivity (Movie), AF Transition Speed (Movie), Switch V/H AF Area, AF Area Regist., Circ. of Focus Point, Focus Map (Movie), AF Assist (Movie)
	AF illuminator	Yes (with Built-in LED type)
	AF Illuminator Range	Approx. 0.3 m - approx. 3.0 m (with FE 28-70 mm F3.5-5.6 OSS lens attached)
Exposure	Metering Type	1200-zone evaluative metering
	Metering Sensor	Exmor R CMOS sensor
	Metering Sensitivity	EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)
	Metering Mode	Multi-segment, Center-weighted, Spot (Standard / Large), Entire Screen Avg., Highlight
	Exposure Modes	[Still images] Intelligent Auto (Auto) / Program Auto (P) / Aperture Priority (A) / Shutter Priority (S) / Manual Exposure (M), [Movie] Intelligent Auto (Auto) / Program Auto (P) / Aperture Priority (A) / Shutter Priority (S) / Manual Exposure (M) / Flexible Exp. Mode, [Slow & Quick Motion] Intelligent Auto (Auto) / Program Auto (P) / Aperture Priority (A) / Shutter Priority (S) / Manual Exposure (M) / Flexible Exp. Mode
	Exposure Compensation	+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable)
	Exposure Bracketing	Bracket: Cont., Bracket: Single, 3/5/9 frames selectable. (Ambient light, Flash light)
	AE lock	Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)
	ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100-51200 (ISO numbers from 50 to 204800 can be set as expanded ISO), AUTO (ISO 100-12800, selectable lower limit and upper limit), Movies: ISO 100-51200 equivalent (ISO numbers up to 102400 can be set as expanded ISO), AUTO (ISO 100-12800, selectable lower limit and upper limit)
	Anti-flicker Shoot	Yes[9]
Viewfinder	Viewfinder Type	1.3 cm (0.5 type) electronic viewfinder (Quad-VGA OLED)
	Number of Dots	3 686 400 dots
	Field coverage	100%
	Magnification	Approx. 0.78x (with 50 mm lens at infinity, -1m^{-1})
	Dioptre adjustment	-4.0 to +3.0 m^{-1}
	Eye Point	Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1m^{-1} (CIPA standard)
	Finder Frame Rate selection	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps
LCD screen	Type	7.5 cm (3.0-type) type TFT
	Touch panel	Yes
	Number of Dots	1 036 800 dots
	Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
	Adjustable Angle	Opening Angle: Approx. 176 °., Rotation Angle: Approx. 270 °.
	Focus Magnifier	Yes, Focus Magnifier (35 mm full frame: 5.5x / 11.0x, APS-C: 3.7x / 7.3x)

Other Features	Face Detection	Modes: Face/Eye Priority in AF, Face Priority in Multi Metering, Regist. Faces Priority
	Clear Image Zoom	Approx. 2x Approx. 1.5x (4K), Approx. 2x (HD)
	Digital Zoom	35 mm full frame: M: approx. 1.5x, S: approx. 2x APS-C: S: approx. 1.3x 35 mm full frame: L: approx. 4x, M: approx. 6.1x, S: approx. 8x APS-C: M: approx. 4x, S: approx. 5.3x 35 mm full frame: approx. 4x APS-C: approx. 4x
Shutter	Type	Electronically-controlled, vertical-traverse, focal-plane type
	Shutter speed	Still images: 1/8000 to 30 s, Bulb, Movies (NTSC mode): 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)
	Flash Sync. Speed	1/250 s (35 mm full frame), 1/320 s (APS-C)[10]
	Electronic Front Shutter Curtain	Yes (ON/OFF)
	Silent Shooting	Yes (ON/OFF)
Image Stabilisation	Type	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)
	Compensation Effect	5.5 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50 mm F1.4 ZA lens mounted. Long exposure NR off.)
Flash	Control	Pre-flash TTL[11]
	Flash Compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
	Flash Modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless[12], Hi-speed sync.[12]
	External Flash Compatibility	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe
	FE Level Lock	Yes
Drive	Drive Modes	Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single,Bracket: Cont., White Balance bracket, DRO bracket
	Continuous Drive Speed (approx. max.)[13]	Continuous shooting: Hi+: 10 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps
	Self-Timer	10 s delay / 5 s delay / 2 s delay / Continuous self-time / Bracketing self-timer
	No. of frame recordable (approx.)[13]	JPEG Extra fine L: over 1000 frames, JPEG Fine L: over 1000 frames, JPEG Standard L: over 1000 frames, RAW: over 1000 frames, RAW & JPEG: over 1000 frames, RAW (Lossless Compressed): over 1000 frames, RAW (Lossless Compressed) & JPEG: over 1000 frames, RAW (Uncompressed): over 1000 frames, RAW (Uncompressed) & JPEG: 828 frames
Playback	Modes	Single (with or without shooting information Y RGB histogram & highlight / shadow warning), Index view, Enlarged display mode (L: 19.5x, M: 12.8x, S: 9.7x), Auto Review, Image orientation, Folder selection (Date / Still / Movie), Protect, Rating, Display as Group, Shot Mark (Movie), Divider Frame, Crop
	Photo Capture	Yes

Interface	PC interface	Mass-storage / MTP
	Multi / Micro USB Terminal[14]	Yes
	Wireless LAN (Built-In)	Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band))[15][16]
	Bluetooth	Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))
	HD Output	HDMI connector (Type-A)
	Multi Interface Shoe	Yes (with Digital Audio Interface)[17]
	Mic Terminal	Yes (3.5 mm Stereo minijack)
	Headphone Terminal	Yes (3.5 mm Stereo minijack)
	Vertical Grip Connector	Yes (Bluetooth remote control)
Audio	Microphone	Built-in, stereo
	Speaker	Built-in, monaural
Print	Compatible Standards	Exif Print, Print Image Matching III
Custom function	Custom Function Type	Yes
	Memory Function	Yes (Body 9 sets /memory card 12 sets)
Lens Compensation	Setting	Peripheral Shading, Chromatic Aberration, Distortion, Breathing (Movie)
Power	Supplied Battery	One rechargeable battery pack NP-FZ100
	Battery Life (Still Images)[19]	Approx. 520 shots (Viewfinder) / approx. 580 shots (LCD monitor) (CIPA standard)
	Battery Life (Movie, actual recording)[20]	Approx. 100 min (Viewfinder) / Approx. 110 min (LCD monitor) (CIPA standard)
	Battery Life (Movie, continuous recording)	Approx. 170 min (Viewfinder) / Approx. 175 min (LCD monitor) (CIPA standard)
	Internal Battery Charge	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)
	USB Power Supply	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)
	Power consumption with Viewfinder	Still images: approx. 3.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 5.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)
	Power consumption with LCD screen	Still images: approx. 3.4 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 5.6 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)
Size and Weight	Weight (with battery and memory card included)	Approx. 658 g Approx. 1 lb 7.3 oz
	Dimensions (W x H x D)	Approx. 131.3 mm x 96.4 mm x 79.8 mm, approx. 131.3 mm x 96.4 mm x 69.7 mm (From grip to monitor) (approx. 5 1/4 x 3 7/8 x 3 1/4 inches, approx. 5 1/4 x 3 7/8 x 2 3/4 inches (From grip to monitor)
Others	Operating Temperature	0 - 40 °C / 32 - 104 °F

Specifications and features are subject to change without notice.

[1] When [HLG Still Image] setting is set to [On].
[2] When using accessories that support 4ch output / 24 bits with the Multi Interface Shoe.
[3] Proxy movies
[4] When [Gamma] is set to [HLG] and [Colour Mode] is set to [BT.2020] in [Picture Profile].
[5] [APS-C S35 shooting] is locked to [On] when shooting movies in 4K 60p/50p.
[6] 120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps
[7] When [APS-C S35 shooting] is set to [On], number of effective pixels: 1570 x 886 at 120 or 100 fps.
[8] 120 or 100 fps is not available when using [XAVC HS 4K], [XAVC S 4K], or [XAVC S-I 4K] file formats.
[9] Anti-flicker Shooting is not available when the [Shutter Type] setting is set to [Electronic Shutter].
[10] With compatible Sony external flash
[11] A flash cannot be used when [Shutter Type] is set to [Electronic Shutter].
[12] With compatible external flash
[13] Varies according to shooting conditions or memory card used
[14] Supports Micro USB compatible device.
[15] Models sold in some countries/regions support IEEE 802.11b/g/n (2.4GHz) wireless LAN only.
[16] (Configuration method/Access method) WPS or manually /infrastructure mode. When connecting to smartphones, the camera can always work as a base without a wireless access point. (Security: WEP/WPA-PSK/WPA2-PSK/WPA3-SAE)
[17] Sony accessories for the Accessory Shoe can be attached.
[19] The LCD screen is turned on, shot once every 30 seconds, operate zoom alternately between W and T ends, flash strobe once every two times, turn power off and on once every ten times.
[20] Indication recording time, which is defined by repeating the cycle: Power on, start recording, zoom , stand-by and power off.

Trademarks & Remarks

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