



ILCZVE1/B

Alpha ZV-E1 – Full-frame Interchangeable Lens Mirrorless Vlog Camera

Alpha ZV-E1 features a large Full-frame image sensor and BIONZ X image processing engine to produce high-quality imagery with high-sensitivity and beautiful natural bokeh. The E-mount interchangeable lens system offers a wide selection to suit your style while the flip-out vari-angle LCD, advanced audio options and features designed specifically for vlogging make this the ideal camera for content creators.



Bullets

- Full-frame 12.1MP¹ Exmor R sensor, optimized for 4K, sensitivity and speed
- 10-bit 4:2:2 recording with direct pixel readout, Long GOP or All Intra formats
- Create memorable imagery with ease with Cinematic Vlog Setting³
- Dedicated AI Processor and Real-time Recognition for accurate subject tracking
- 5-axis in-body image stabilization and Dynamic active Mode for stable recording
- AI-based Framing Stabilizer maintains a constant subject position within the frame
- AI-based Auto Framing¹² automatically adjusts the framing to highlight your subject
- Multiple Face Recognition¹³ automatically optimizes depth of field for selfies or groups
- Picture Profile with support for imported LUT files for monitoring and recording
- Intelligent 3 Capsule internal microphone with variable directivity¹⁴
- Compatible with all Sony E-mount lenses for comprehensive creativity
- Upgrade from 4K 60p to 4K 120p¹⁵ internal recording for up to 5x slow motion
- Natural skin tones, Soft Skin Effect and one-touch background bokeh control
- My Image Style¹⁸ directly adjusts 4 key parameters to create expressive imagery
- Product Showcase Setting¹⁹ focuses on highlighted items for product reviews
- S-Gamut3.Cine/S-Log3 and S-Gamut3/S-Log3 color science
- Flexible ISO Log shooting mode for greater exposure setting freedom
- Breathing Compensation²⁰ function suppresses image shifts while focusing
- In-camera Time-lapse²¹ creation to capture unforgettable moments
- Creative, versatile zoom control by conveniently accessed zoom lever
- Multi Interface (MI) shoe with digital audio interface for external microphones
- Easy, stable smartphone connectivity
- High-quality live streaming
- Simplified, intuitive touch operations on LCD panel
- Quick access to frequently used menu items
- Simple, convenient operation for stress-free shooting
- Convenient features for confident shooting
- High-capacity Z series battery
- Optional accessories to make the most of vlogging
- Dust and moisture resistant design²⁹ for use in challenging conditions
- The world's smallest, lightest full-frame interchangeable lens vlog camera³⁰
- Accessibility features that facilitate operation
- Recycled materials in Digital Cameras



- Environment-friendly packaging and non-plastic materials

Features

Full-frame 12.1MP¹ Exmor R sensor, optimized for 4K, sensitivity and speed

The ZV-E1 is Sony's first vlog camera with a Full-frame 12.1 MP¹ Exmor R image sensor that is optimized for 4K and delivers 15+ stops of latitude, low noise, high sensitivity, and gorgeous full-frame bokeh.

10-bit 4:2:2 recording with direct pixel readout, Long GOP or All Intra formats

The ZV-E1 can record 4K movies with direct pixel readout and 10-bit depth and 4:2:2 color sampling using Long GOP or All Intra compression, making it possible to grade for fuller, more natural gradations while generally providing greater editing freedom.

Create memorable imagery with ease with Cinematic Vlog Setting³

Cinematic Vlog Setting³ provides an intuitive way to create scenes that look like feature movies. By choosing a Look, Mood⁴ and AF transition speed, anyone can create cinematic vlog footage that ideally matches the scene and creative intent. The Cinematic Vlog Setting includes "Look" options such as S-Cinetone that can enhance skin tones, "Mood" options that can emphasize specific colours, and the AF transition speed that determines how quickly autofocus will switch between subjects. The overall cinematic feel is further enhanced by the use of a 24 fps⁵ frame rate and the widescreen Cinemascope aspect ratio (2.35:1)⁶ with black bands above and below the image.

Dedicated AI Processor and Real-time Recognition for accurate subject tracking

With its innovative AI processing unit, the ZV-E1 uses subject form data to accurately recognize movement, providing an improvement of approx. 60% in human eye recognition⁷. Human pose estimation technology recognizes body and head position, so even people wearing helmets or masks, or animals facing away from the camera, can be accurately detected and tracked in real time⁸.

5-axis in-body image stabilization and Dynamic active mode for stable recording

A compact, precision stabilization unit and gyro sensors plus optimized algorithms achieve up to 5.0-step⁹ anti-shake compensation. Newly developed Dynamic active Mode¹⁰ features advanced electronic stabilization working in conjunction with the camera's 5-axis in-body image stabilization system to achieve approximately 30% more effective compensation than the Active Mode¹¹ provided in previous models. This makes it easier than ever to shoot smooth, stable vlog footage while moving around for bold, dynamic expression.

Framing Stabilizer maintains a constant subject position within the frame.

The Framing Stabilizer¹² feature automatically keeps the subject's position in the frame constant, which can be particularly useful when walking alongside the subject. Advanced AI-based subject recognition technology works with the camera's Dynamic active Mode¹⁰ image stabilization to



reliably keep the subject in the frame even while in motion during handheld shooting.

Ai-based Auto Framing¹² automatically adjusts the framing to highlight your subject

Using AI-based subject recognition technology, the Auto Framing feature automatically crops the frame to keep the subject in a prominent position when shooting movies. Even though the camera is stationary, framing is continually adjusted so that recorded footage looks as if the subject was being followed by an experienced operator. In addition to the camera automatically recognizing a subject and initializing tracking, any other subject can be selected for tracking by touching it on the camera's monitor or the Creators' App on a smartphone.

Multiple Face Recognition¹³ automatically optimizes depth of field for selfies or groups

AI based subject recognition determines the number of faces in the frame and automatically adjust focus and aperture when recording selfies or group portraits. This feature can adjust aperture for the depth of field required to keep all faces in focus while minimizing depth of field if all faces are at the same distance – or only one face is in the frame. This ensures accurate focus and full use the camera's artistic bokeh even when several people are entering or leaving a scene. No manual adjustment is required – the camera automatically and smoothly adjusts aperture as needed so the user can shoot in the flow of the moment to capture natural expressions.

Picture Profile with support for imported LUT files for monitoring and recording.

Custom user LUT files (.cube format) can be imported into the camera and assigned to Picture Profiles. This makes it easy to use LUTs for monitoring while shooting and to create specific looks when shooting in modes other than preset looks. The look is recorded in-camera, so color correction in post processing can be minimized or eliminated altogether.

Intelligent 3 Capsule internal microphone with variable directivity

The ZV-E1 features a high-performance 3-capsule microphone with variable directivity that is capable of picking up clear audio in outdoor situations where wind and environmental noise can be a problem. The microphone is designed to clearly capture the voice of your main subject and depending on your shoot you can set the microphone's directivity to Front, Rear, All Directions. In Auto mode, Front] or All Directions directivity is automatically selected according to the current subject recognition and tracking status.³³

Compatible with all Sony E-mount lenses for comprehensive creativity

Because it features Sony's E-mount system, the ZV-E1 can be used with all E-mount lenses, including the superlative G Master series with its stunning resolution and world-class bokeh. A choice of focal lengths ranging from 12 mm to 1200 mm² gives users outstanding creative control.

Upgrade from 4K 60p to 4K 120p¹⁵ internal recording for up to 5x slow motion

The ZV-E1 offers in-camera 4K recording at up to 120 frames per second. Extraordinarily smooth 5x (max.) slow-motion imagery¹⁶ at QFHD resolution with autofocus provides new expressive capability. When using the XAVC S format, up to 10x slow motion with Full HD resolution is possible at 240 fps (24p recording)¹⁷, providing fresh perspectives on dynamic sports and other



types of action.

Natural skin tones, Soft Skin Effect and background bokeh control

The colors and textures of human skin and foliage are rendered consistently, even in challenging lighting conditions. Improved gradation rendering produces better skin tones and highlight roll-off in portraits, while the Soft Skin Effect smooths out small wrinkles and blemishes and adds clarity around the eyes and mouth. When you want to emphasize your main subject, a press of the Bokeh Switch creates impressive full-frame background defocus.

My Image Style¹⁸ directly adjusts 4 key parameters to create expressive imagery.

When shooting in the Intelligent Auto or Scene Selection mode, icons on the touch-sensitive monitor make it easy to directly adjust background bokeh, brightness, and color tone, as well as select a Creative Look. This provides an intuitive way to create expressive imagery without having to be familiar with technical details such as F stops, exposure compensation, or color temperature.

Product Showcase Setting¹⁹ focuses on highlighted items for product reviews.

The Product Showcase Setting makes it easy to shoot product review videos. The camera will smoothly switch focus from your face to a product held in front of the lens and then back to your face when the product is moved away. Product Showcase Setting can be turned on or off simply by pressing the dedicated button provided.

S-Gamut3.Cine/S-Log3 and S-Gamut3/S-Log3 advanced color science.

S-Log3 offers enhanced reproduction of shadow to mid-tone (18% grey) gradations. Color spaces include S-Gamut3, with even better color reproduction than S-Gamut, and S-Gamut3.Cine, a color space that has been designed to provide a look similar to scanned cinema film. The combination of S-Gamut3.Cine, which has a slightly wider color gamut than DCI-P3 digital cinema, and S-Log3 allows easier color grading for the DCI-P3 or 709 video color space.

Flexible ISO Log shooting mode for greater exposure setting freedom.

Flexible ISO is an S-Log3 shooting mode that allows ISO sensitivity to change according to the brightness of the scene, while aperture and shutter speed are set manually. ISO can be set to AUTO or manually set between 640 and 102400 (160 and 409600 in expanded ISO mode) as required for optimum exposure.

Breathing Compensation²⁰ function suppresses image shifts while focusing

The ZV-E1 includes a Breathing Compensation²⁰ function that minimizes focus breathing – changes in angle of view caused by changes in the lens's focus – that can occur when focusing while recording movies. Sony's original Clear Image Zoom technology automatically maintains a consistent angle of view when focusing, making it possible to achieve smooth, dramatic focusing effects.

Metadata facilitates editing in Catalyst Browse

The ZV-E1 records image stabilization and camera rotation metadata that can be useful when editing in the free Catalyst Browse desktop application, or the paid Catalyst Prepare desktop application or plugin²¹. In addition to stabilization based on data from the camera's gyroscope



and lens, lens breathing compensation can be applied during editing. Metadata is automatically added to the file being recorded when the ZV-E1 is rotated to 90°, 180°, or 270°, or its normal horizontal position. This metadata allows the recorded footage to be displayed with the corresponding rotation in Catalyst Browser/Prepare, eliminating the need to rotate the footage beforehand.

In-camera Time-lapse²² creation to capture unforgettable moments

Time-lapse sequences can be created in-camera, showing the movements of people or cities in expressed, time-compressed form. The exposure interval can be set from 1 second to 60 seconds²³, making it easy to compress slow action into enjoyable time-lapse sequences. When a compatible video light (sold separately) is attached to the camera, it can be set to turn on just before each exposure so that time-lapse sequences can be shot in low-light situations.

Creative, versatile zoom control by conveniently accessed zoom lever.

The zoom lever located on top of the grip not only controls compatible powered zoom lenses, but also allows Clear Image Zoom to be used with unpowered zoom and prime lenses with less image degradation. Real-time Recognition AF, Real-time Tracking, and focus area settings remain active while zooming digitally or with Clear Image Zoom, ensuring that the full precision and speed of the camera's phase-detection AF system is realized even during digital zoom operations.

Multi Interface (MI) shoe with digital audio interface for external microphones

A digital audio interface is supported by the camera's Multi Interface (MI) Shoe, directly transferring audio to the camera in digital form for high quality with minimal degradation. Like other MI shoe accessories, no cables or batteries are required, providing unrestrained freedom for vlogging and moviemaking.

Easy, stable smartphone connectivity

Connection stability when transferring images from the camera to the Creators' App²⁴ on a smartphone has been greatly improved, as transfers continue in the background even if the smartphone display sleeps or a different app is launched²⁵. Workflow from shooting to sharing has been notably improved overall.

High-quality live streaming

The ZV-E1 makes it possible to live stream at up to 4K 30p, with UVC/UAC support. Connected to a personal computer or smartphone²⁶ via USB, the camera can function as a 4K (2160p) webcam. Add a new dimension to online meetings, live events or even conversations with family and friends, taking advantage of features like narrow depth of field, optical zoom, Intelligent 3 Capsule Microphone, Face Priority AE and Eye AF.

Simplified, intuitive touch operations on LCD panel

Swiping the left or right edge of the monitor display reveals touch function icons at the top that control the shooting mode, Cinematic Vlog Setting, and more. Additionally, the function (Fn) menu can be displayed by swiping up on the monitor. Other refinements include exposure compensation and white balance touch-control icons that have been added to the existing F-stop, shutter speed, and ISO icons at the bottom of the monitor display²⁷.



Quick access to frequently used menu items

The ZV-E1 provides quick access to frequently used items such as frame rate, shutter speed and other essential shooting parameters via a list-style main menu. Display of this menu can be assigned to a custom button so that parameters can be quickly checked and edited prior to shooting. Separate main menus optimized for movies and stills are available.

Simple, convenient operation for stress-free shooting

The side-opening vari-angle LCD screen and the positioning of major controls have been designed for convenient shooting of selfies and vlogs. The LCD screen makes it easy to check framing while shooting from just about any angle, while the REC button, Still/Movie/S&Q selector, custom buttons and other controls on the camera's top panel are laid out for easy access and operation.

Convenient features for confident shooting

Shoot with confidence while the ZV-E1 backs you up with a range of helpful features. These include a recording tally lamp on the front of the camera, so you can clearly see when recording is in progress. There is also a self-timer for movie shooting²⁸, with a countdown indicator prominently displayed in the center of the screen, making it easier to record only required footage.

High-capacity Z series battery

The ZV-E1 uses Sony's high-capacity Z battery. For even better power performance the image processing engine, image sensor, and related circuitry have been designed to optimize power economy under all shooting conditions.

Optional accessories to make the most of vlogging

You can boost your vlog's sound with an optional external microphone, attached easily to the ZV-E1's microphone jack. And smooth, one-handed operation is yours with the optional GP-VPT2BT Shooting Grip with Wireless Remote Commander. The grip features easily accessible zoom and still/movie shooting controls, and it can also be used as a tripod.

Dust and moisture resistant design²⁹ for use in challenging conditions

Sealing is provided around all buttons and dials, while all body seams incorporate a tongue-and-groove structure for double protection. Effective sealing throughout the body contributes to outstanding resistance to dust and moisture in challenging outdoor conditions²⁹.

The world's smallest, lightest full-frame interchangeable lens vlog camera³⁰

The ZV-E1 is the world's most compact, lightweight vlog camera with a full-frame CMOS sensor and lens interchangeability³⁰, making it ideal not only for handheld shooting, but also for gimbal or drone mounting. Its extraordinary mobility gives vloggers new capabilities for creative expression.

Accessibility features that facilitate operation

The ZV-E1 includes accessibility features that facilitate operation in a number of ways, including screen reader functionality for the visually impaired. When the screen reader function³¹ is activated, text on the menu screens is read aloud. The screen reader function can be activated from the menu [Setup] tab, where volume and reading speed can also be set as required. In addition to the menus, the Screen Reader function also works in the movie playback screen. In



addition to the Screen Reader, the ZV-E1 includes a number of functions that assist in achieving pinpoint focus on a variety of subjects.

Recycled materials in Digital Cameras

No non-recyclable resources are used in our repeatedly recyclable, durable, high quality SORPLAS™ material³². SORPLAS and other recyclable materials are used in camera bodies as much as possible³¹, reducing stress on the environment without compromising performance or functionality in any way.

Environment-friendly packaging and non-plastic materials

The outer packaging of the ZV-E1 employs Sony's "Original Blend Material" consisting of bamboo, sugar cane, and recycled paper. It contains no plastics. This special material produces recyclable packaging of high quality and durability that has low environmental impact.

Specification

General	
Camera Type	Interchangeable lens digital camera
Lens Mount	E-mount
Camera Section	
Type	35mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor
Number of Pixels (effective) *[Number of effective pixels varies depending on attached lenses and camera settings.]	Still images: Approx. 12.1 megapixels max. Movies: Approx. 10.1 megapixels max. *[When "SteadyShot" is set to "Standard" or "Off".]
Number of Pixels (total)	Approx. 12.9 megapixels
Optical Low Pass Filter	Yes
Color Temperature Range	2500 K - 9900 K
Anti-Dust Function	Yes
Recording System (still image)	
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]	35mm full frame L: 4240 x 2832 (12 M), M: 2768 x 1848 (5.1 M), S: 2128 x 1416 (3.0 M)

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Image Quality Modes	RAW, JPEG, HEIF (4:2:0 / 4:2:2), RAW+JPEG, RAW+HEIF
RAW Output	14bit RAW: Yes
Recording System (movie)	
Video Compression	XAVC S: MPEG-4 AVC/H.264, XAVC HS: MPEG-H HEVC/H.265
Audio Recording Format	LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit), LPCM 4ch (48 kHz 24 bit) *[When using accessories that support 4ch output / 24 bits with the Multi Interface Shoe.]
Movie Recording Format (XAVC HS 4K)	
3840 x 2160 (4:2:0, 10bit) (Approx.)	59.94p (150Mbps / 75Mbps / 45Mbps), 50p (150Mbps / 75Mbps / 45Mbps), 23.98p (100Mbps / 50Mbps / 30Mbps)
3840 x 2160 (4:2:2, 10bit) (Approx.)	59.94p (200Mbps / 100Mbps), 50p (200Mbps / 100Mbps), 23.98p (100Mbps / 50Mbps)
Movie Recording Format (XAVC S 4K)	
3840 x 2160 (4:2:0, 8bit) (Approx.)	59.94p (150Mbps), 50p (150Mbps), 29.97p (100Mbps / 60Mbps), 25p (100Mbps / 60Mbps), 23.98p (100Mbps / 60Mbps)
3840 x 2160 (4:2:2, 10bit) (Approx.)	59.94p (200Mbps), 50p (200Mbps), 29.97p (140Mbps), 25p (140Mbps), 23.98p (100Mbps)
Movie Recording Format (XAVC S HD)	
1920 x 1080 (4:2:0, 8bit) (Approx.)	119.88p (100Mbps / 60Mbps), 100p (100 Mbps / 60 Mbps), 59.94p (50Mbps / 25Mbps), 50p (50 Mbps / 25 Mbps), 29.97p (50Mbps / 16Mbps), 25p (50 Mbps / 16 Mbps), 23.98p (50Mbps)

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1920 x 1080 (4:2:2, 10bit) (Approx.)	59.94p (50Mbps), 50p (50 Mbps), 29.97p (50Mbps), 25p (50 Mbps), 23.98p (50Mbps)
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Movie Recording Format (XAVC S-I 4K)

3840 x 2160 (4:2:2, 10bit) (Approx.)	59.94p (600Mbps), 50p (500Mbps), 29.97p (300Mbps), 25p (250Mbps), 23.98p (240Mbps)
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Movie Recording Format (XAVC S-I HD)

1920 x 1080 (4:2:2, 10bit) (Approx.)	59.94p (222 Mbps), 50p (185Mbps), 29.97p (111 Mbps), 25p (93Mbps), 23.98p (89 Mbps)
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Movie Function

Slow & Quick Motion (S&Q)	Yes
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Proxy Recording	Yes
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Movie Functions	TC/UB: Yes
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RAW Output	-
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Recording System

Memory Card Slot	Slot for SD (UHS-I/II compliant) memory card
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Focus System

Type	Fast Hybrid AF (phase-detection AF / contrast-detection AF)
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Focus Point	Still images: Max. 759 points (phase-detection AF), Movies: Max. 627 points (phase-detection AF)
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Focus Sensitivity Range	EV-6 to EV20 (ISO100 equivalent with F2.0 lens attached)
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Recognition Target (Still images)	Human, Animal, Bird, Insect, Car, Train, Airplane
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Recognition Target (Movies)	Human, Animal, Bird, Insect, Car, Train, Airplane
Other Features	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	-
Exposure Control	
Metering Type	1200-zone evaluative metering
Metering Sensitivity	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
Exposure Compensation	+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable)
ISO Sensitivity (Recommended Exposure Index)	Still images: ISO 80 - 102400 (expandable to ISO 40 - 409600), AUTO (ISO 80 - 12800, selectable lower limit and upper limit), Movies: ISO 80 - 102400 equivalent (expandable to ISO 80 - 409600), AUTO (ISO 80 - 12800, selectable lower limit and upper limit)
Anti-flicker Shoot.	-
Viewfinder	
Viewfinder Type	-
LCD Screen	
Type	7.5 cm (3.0-type) type TFT
Touch Panel	Yes
Number of Dots	1 036 800 dots
Adjustable Angle	Opening Angle: Approx. 176 °, Rotation Angle: Approx. 270 °
Other Features	

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Other Features	Product Showcase Set, Background Defocus, Soft Skin Effect, Creative Look, Custom function, Picture Profile, Time-lapse, Cinematic Vlog Setting, Auto Framing, Framing Stabilizer, My Image Style
Clear Image Zoom	
Clear Image Zoom	Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)
Shutter	
Shutter Type	Electronic shutter
Shutter Speed	Still images: 1/8000 to 30 s, Movies: 1/8000 to 1 s
Flash sync. speed *[With compatible Sony external flash]	1/30 s (35mm full frame), 1/60 s (APS-C)
SteadyShot INSIDE (image stabilization)	
Type	Image sensor-shift mechanism with 5-axis compensation (compensation depends on lens specifications)
Compensation Effect (Still images)	5.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50mm F1.2 GM lens mounted.)
Mode	Still images: On / Off, Movie: Dynamic active / Active / Standard / Off
Flash	
Type	-
Control	Pre-flash TTL
Flash Compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
External Flash Compatibility	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe
Drive	

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Continuous drive speed (approx., max.) *[Varies according to shooting conditions or memory card used]	Hi+: 10 fps
No. of frame recordable (approx.) *[Varies according to shooting conditions or memory card used]	JPEG Extra fine L: over 1000 frames, JPEG Fine L: over 1000 frames, JPEG Standard L: over 1000 frames, RAW: over 1000 frames, RAW & JPG: 416 frames, RAW (Lossless Compressed): over 1000 frames, RAW (Lossless Compressed) & JPEG: 92 frames, RAW (Uncompressed): 85 frames, RAW (Uncompressed) & JPG: 57 frames
Pixel Shift Multi Shooting	-
Playback	
Modes	Enlarged display mode, Protect, Rating, Shot Mark (Movie), Divider Frame, Crop, Photo Capture
Accessibility	
Functions	Screen Reader, Focus Magnifier, Focus Map (Movie), Peaking Display, Subject Recognition in AF, Touch Focus, Touch Tracking, Touch Shutter, Touch AE, Vari-angle LCD screen, Custom function
Interface	
PC Interface	Mass-storage / MTP
Multi / Micro USB Terminal * [Supports Micro USB compatible device.]	-
USB Type-C® Terminal	Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)
NFC™	-
Sync. Terminal	-

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Wireless LAN (Built-In)	Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band)) *[(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)] * [Models sold in some countries/regions support IEEE 802.11b/g/n (2.4GHz) wireless LAN only.]
Bluetooth	Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))
HD Output	HDMI micro connector (Type-D), HDMI connector: 3840 x 2160 (59.94p / 50p / 29.97p / 25p / 23.98p) / 1920 x 1080 (59.94p / 50p / 23.98p) / 1920 x 1080 (59.94i / 50i), YCbCr 4:2:2 10bit / RGB 8bit
Multi Interface Shoe *[Sony accessories for the Accessory Shoe can be attached.]	Yes (with Digital Audio Interface)
Mic Terminal	Yes (3.5 mm Stereo minijack)
Headphone Terminal	Yes (3.5 mm Stereo minijack)
Remote Control (Wireless)	Yes (Bluetooth remote control)
LAN Terminal	-
Functions	Send to smartphone, Remote control via smartphone, PC Remote
USB Streaming	
Video Data Format	MJPEG, YUV420 *[When [Resolution] is set to [HD(720p)], [MJPEG] is only available.]
Video Resolution	3840 x 2160 (15p / 30p), 3840 x 2160 (12.5p / 25p), 1920 x 1080 (30p / 60p), 1920 x 1080 (25p / 50p), 1280 x 720 (30p), 1280 x 720 (25p)
Audio Data Format	LPCM 2ch (16bit 48 kHz)
Audio	
Microphone	Built-in, stereo
Speaker	Built-in, monaural
Lens Compensation	
Setting	Shading, Chromatic Aberration, Distortion, Breathing (Movie)

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Power	
Battery	One rechargeable battery pack NP-FZ100
Battery Life - Still images * [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.]	Approx. 570 shots (LCD monitor) (CIPA standard)
Battery Life - Movies (actual recording) *[Indication recording time, which is defined by repeating the cycle: Power on, start recording, zoom , stand-by and power off.]	Approx. 95 min (LCD monitor) (CIPA standard)
Battery Life (Movie, continuous recording)	Approx. 140 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	
Power Consumption with LCD screen	Still images: Approx. 3.5 W (with FE 28-60mm F4-5.6 lens attached), Movies: Approx. 7.0 W (with FE 28-60mm F4-5.6 lens attached)
Weight	
Weight (with battery and memory card included)	Approx. 483 g
Weight (with battery and memory card included)	Approx. 1 lb 1.1 oz
Body only	Approx. 399 g
Body only (oz.)	Approx. 0 lb 14.1 oz
Dimensions	
Dimensions (W x H x D)	Approx. 121.0 x 71.9 x 54.3 mm (FROM GRIP TO MONITOR)
Dimensions (W x H x D) (in.)	Approx. 4 7/8 x 2 7/8 x 2 1/4 inches (FROM GRIP TO MONITOR)
Operating Temperature	

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Operating Temperature	0 - 40 °C / 32 - 104 °F
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What's in the Box

Kit Lens	-
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Supplied Accessory	Rechargeable Battery NP-FZ100, Shoulder strap, Wind Screen, Wind Screen Adaptor, Body cap, Accessory shoe cap
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1. Approximate, effective
2. With the SEL20TC teleconverter. 35mm full-frame equivalent
3. Available in the Movie and S&Q modes. Not available for XAVC S-I 4K recording in S&Q mode.
4. Mood is not available when the [Mono] Look is selected.
5. Recording frame rates are indicated as the closest integer values. The actual corresponding frame rates are as follows:
24p: 23.98 fps, 30p: 29.97 fps, 60p: 59.94 fps, and 120p: 119.88 fps.
6. Black bands above and below the image are recorded as part of the image. The image area between the black bands is Cinemascope aspect ratio, but the aspect ratio of the entire recorded image area is 16:9.
7. Sony internal tests. Compared to the ZV-E10.
8. Camera may not accurately recognize all specified subjects in all conditions.
9. CIPA standards. Pitch/yaw shake only. FE 50mm F1.2 GM lens. When shooting stills.
10. Dynamic active Mode reduces angle of view more than Active Mode. Clear Image Zoom is not available when using Dynamic active Mode.
11. Compared to the α 7S III Active Mode. Sony internal tests.
12. Available only for movies. Framing is cropped from 4K images, resulting in reduced angle of view.
13. Available in the movie or S&Q mode when Intelligent Auto is selected with [AF Subject Recognition] set to [Human]
14. Microphone directivity settings become inactive when an external microphone is connected
15. A free license key must be downloaded from Sony's camera upgrade website and installed in the camera. To be released in June 2023 or later. Visit <https://creatorscloud.sony.net/cameraupgrade/4k120p/>. QFHD (3840x2160). With approx. 10% image crop.
16. Post-production editing or S&Q mode recording required.
17. A free license key must be downloaded from Sony's camera upgrade website and installed in the camera. To be released in June 2023 or later. Visit the following URL for details: <https://creatorscloud.sony.net/cameraupgrade/4k120p/>. 1420 x 804 effective sensor readout pixels.
18. Settings are reset when switching between the still, movie, and S&Q modes (including REC in Still mode).
19. [Subject Recognition in AF] is locked to [Off], and [Focus Area] is set to [Zone].
20. 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 greater than 120p (100p) or stills. Compatibility of lenses is limited. Please see Sony support page for lens compatibility.
21. Supported in Catalyst Browse/Prepare Version 2020.1 or later. Image stabilization metadata that can be used by Catalyst is generated when using a Sony E-mount lens with the camera's optical image stabilization set to [OFF] or [Active].
22. Shooting time will vary according to conditions. Use the [Interval Shoot Function] to shoot time-lapse sequences at long intervals (e.g 10 minutes or more).
23. Maximum exposure interval is 6 seconds when shooting 4K.
24. Check regional availability of services and applications via the URL: <https://www.sony.net/cca/>
25. Transfer may be interrupted when a different app is launched on some operating systems.
26. When streaming via USB maximum image resolution is 3840 x 2160 and maximum frame rate is 30 fps. The OS of the computer or smartphone used must be compatible with UVC/UAC. Use the most up-to-date OS available for your device. A commercially available USB cable and/or terminal adaptor may be used to connect to equipment with a USB Type-C port. When connected via USB2.0 maximum image resolution is HD (720p) and maximum frame rate is 30p.
27. Not available in the Intelligent Auto mode.
28. Not available when using the MOVIE button to shoot movies in the still image mode.
29. Not guaranteed to be 100% dust- and moisture-proof.



30. As of the March 2023 product announcement, based on a Sony survey of interchangeable-lens digital cameras with 35mm full-frame image sensors and optical in-body image stabilization.
31. This function is available only when the language set in the menu is supported by this function.
32. Depending on the time of production, SORPLAS™ may not be used for some parts.
33. Compared to the BIONZ X image processing engine in the ZV-E10. Sony tests.
34. Audio recording not available in S&Q mode.
35. A V90 class memory card is required to record XAVC S-I.
36. Not including materials used in coatings and adhesives.
37. Not including materials used in coatings and adhesives. Natural non-woven fabric may not be available during some production periods.
38. When subject recognition is ON during AF shooting. Face, eye, etc. recognition status can be monitored when subject recognition frame display is ON.
39. Camera operation depends on focus area settings and touch operation. Accurate focus may not be achieved in some situations.
40. Features and specifications are subject to change without prior notice.

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