



Clifton Cameras Product Specification

Sony ZV-E1 Full Frame Mirrorless Vlog Camera

Specifications

Model: ZV-E1

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)[[F_DI0213]]: Still images: Approx. 12.1 megapixels max.

Movies: Approx. 10.1 megapixels max.[[F_DI0209]]

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)

Image quality modes: RAW
JPEG
HEIF (4:2:0 / 4:2:2)

RAW+JPEG

RAW+HEIF

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)[[F_DI0176]], LPCM 4ch (48 kHz 24 bit)[[F_DI0176]]

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)

1920 x 1080 (4:2:2, 10bit) (Approx.): 59.94p (50Mbps)
50p (50 Mbps)
29.97p (50Mbps)
25p (50 Mbps)
23.98p (50Mbps)

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)

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)

Movie function

Slow & Quick Motion (S&Q): Yes
Proxy recording: Yes
TC/UB: Yes
RAW Output: -

Recording system

Memory card slot: Slot for SD (UHS-I/II compliant) memory card

Focus system

Type: Fast Hybrid AF (phase-detection AF / contrast-detection AF)
Focus point: Still images: Max. 759 points (phase-detection AF)
Movies: Max. 627 points (phase-detection AF)
Sensitivity range: EV-6 to EV20 (ISO100 equivalent with F2.0 lens attached)
Recognition target (Still images): Human; Animal; Bird; Insect; Car; Train; Airplane
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: Still images: ISO 80 - 102400 (expandable to ISO 40 - 409600),
AUTO (ISO 80 - 12800, selectable lower limit and upper limit)

ISO sensitivity: Movies: ISO 80 - 102400 equivalent (expandable to ISO 80 - 409600), AUTO (ISO 80 - 12800, selectable lower limit and upper limit)

Anti-flicker Shoot.: -

Viewfinder

Type: -

LCD screen

Type: 7.5 cm (3.0-type) type TFT

Touch panel: Yes

Number of dots (total): 1 036 800 dots

Adjustable angle: Opening Angle: Approx. 176 °, Rotation Angle: Approx. 270 °

Other features

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

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[[F_DI0015]]: 1/30 s (35mm full frame), 1/60 s (APS-C)

Steady Shot INSIDE (image stabilisation)

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: Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe

Drive

Speed (approx., max.)[[F_DI0002]]: Hi+: 10 fps

No. of frame recordable* (approx.)[[F_DI0002]]: 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[[F_DI0083]]: -

USB Type-C® Terminal: Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)

NFC: -

Sync. Terminal: -

Wireless LAN(built-in): Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band))[[F_DI0197]][[F_DI0171]]

Bluetooth: Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))

HDMI connector: HDMI micro connector (Type-D)
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[[F_DI0010]]: 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[[F_DI0198]]
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)
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Audio

Microphone:	Built-in, stereo
Speaker:	Built-in, monaural

Lens compensation

Lens compensation:	Shading, Chromatic Aberration, Distortion, Breathing (Movie)
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Power

Battery:	One rechargeable battery pack NP-FZ100
Still images[[F_DI0011]]:	Approx. 570 shots (LCD monitor) (CIPA standard)
Movies (actual recording)[[F_DI0013]]:	Approx. 95 min (LCD monitor) (CIPA standard)
Movies (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

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

With battery and memory Card included:	Approx. 483 g
With battery and memory card included (oz.):	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

Operating temperature: 0 - 40 °C / 32 - 104 °F

Supplied accessories

Supplied Accessory: Rechargeable Battery NP-FZ100

Supplied Accessory: Shoulder strap

Supplied Accessory: Wind Screen

Supplied Accessory: Wind Screen Adaptor

Supplied Accessory: Body cap

Supplied Accessory: Accessory shoe cap