

PXW-Z300

Flagship handheld XDCAM camcorder with three 1/2-type 4K Exmor R® CMOS image sensors and AI-powered Subject Recognition AF, Flexible LCD arm



Specifications

General

Camera Type	Solid-state memory camcorder
Mass (Main Body Only)	Approx. 2600 g
Mass (Including Supplied Accessories and Battery)	Approx. 2990 g *1
Dimensions (W x H x D)	Approx. 182.5 x 201.9 x 333.9 mm Approx. 7 x 8 x 13 inches
Battery	Battery pack BP-U35, U70, U100
USB Power Supply	Available with USB Type-C Terminal. USB Power Delivery compatible
Power Requirements	DC 20.0 V
Normal Power Consumption	Approx. 26 W *9
Maximum Power Consumption	Approx. 47 W *10
Operating Temperature	0 - 40 °C 32 - 104 °F
Storage Temperature	-20 to 60 °C -4 to 140 °F
Battery Operating Time (Actual Shooting)	Approx. 80 min *2
Recording Format (Video)	XAVC Intra / XAVC Long : MPEG-4 AVC/H.264 MPEG HD422 : MPEG-2 Long GOP

Lens

Zoom Ratio	17x
Focal Length	f = 5.6 - 95.2 mm
Focal Length (35mm Format Equivalent)	30.3 - 515 mm

Lens

Iris (Maximum Apertures)	F1.9
Focus Range (From the front of the Lens)	Approx. 5 cm (0.16 ft.) to infinity (MACRO ON) Approx. 80 cm (2.62 ft.) to infinity (MACRO OFF)
Filter Diameter	77 mm

Camera Section

Imaging Device (Type)	1/2-type (7.6 mm x 4.0 mm) Exmor R 3CMOS sensor
Number of Pixels (Total)	Approx. 12.2 megapixels
Number of Pixels (Effective)	Movies: Approx. 8.3 megapixels max. *3
Built-in ND Filter	Linear variable ND (1/4 ND - 1/128 ND)
Minimum Illumination	0.0013lx (typical) *4
RAW Output	-
Optical Low Pass Filter	-
Shutter Type	Electronic shutter
Shutter Speed	Movies: 64 F to 1/8000 s
Slow & Quick Motion (S&Q)	Yes
White Balance	2000 K - 15000 K
Gain	-3 to 18 dB (every 1 dB), 42 dB (Turbo gain On)
Image Stabilization (Type)	Lens-shift mechanism
Image Stabilization (Mode)	Movie: On / Off
Lens Compensation	Peripheral Shading, Chromatic Aberration, Distortion
Sensitivity (2000 lx, 89.9 % reflectance)	F12 (typical, 1920 x 1080/59.94p mode) F13 (typical, 1920 x 1080/50p mode) F12 (typical, 3840 x 2160/59.94p, High Sensitivity Mode) F13 (typical, 3840 x 2160/50p, High Sensitivity Mode)
Focus Type	Contrast-detection AF
Focus Point	-
Focus Recognition Target	Human
Other Focus Features	AF Assist (Movie)
Proxy Recording	Yes

Camera Section

Digital Extender

Digital extender Approx. 1.5x (4K), Approx. 4x (HD)

Interface

Audio Input

XLR 3-pin (Female) x2

Multi Interface Shoe

With Digital Audio Interface *6

Built-In Microphone

Stereo

Headphone Terminal

3.5 mm Stereo minijack

Built-In Speaker

Monaural

Recording System (Audio)

LPCM 4ch (48 kHz 24 bit)

SDI Output

SDI OUT: BNC, 12G-SDI, 6G-SDI, 3G-SDI (Level A/B), HD-SDI

HDMI Output

HDMI connector (Type-A)

TC / UB

Yes

Timecode Input / Output

BNC, TC IN / OUT Switchable

Genlock

BNC, Genlock IN / REF OUT Switchable

Multi / Micro USB Terminal

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USB Terminal

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

DC Input

Yes (USB Power Delivery, 20 V/5 A compatible)

Bluetooth

Bluetooth Standard Ver. 5.0 (2.4 GHz band)

Remote

2.5 mm Stereo mini-mini jack

Remote (Wireless)

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Wired LAN

1000BASE-T, 100BASE-TX, 10BASE-T

Wireless LAN (Built-In)

Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band) *5

Grip Remote Control Connector

3.5 mm mini jack

PC Interface

Mass-storage / MTP

Other Function

FTP Transfer Func. (Wired LAN (USB-LAN), USB Tethering, Wi-Fi)

Monitoring

Type (LCD Screen)

8.8 cm (3.5-type) type TFT

Monitoring

Touch Panel (LCD Screen)	Yes
Number of Dots (Total) (LCD Screen)	2 764 800 dots

Media

Type	SLOT A: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card, SLOT B: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card
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NFC

NFC	-
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Streaming

Video Data Format (USB)	MJPEG YUV420 *7
Video Resolution (USB)	3840 x 2160 (29.97p), 3840 x 2160 (25p), 1920 x 1080 (29.97p / 59.94p), 1920 x 1080 (25p / 50p), 1280 x 720 (29.97p), 1280 x 720 (25p)
Audio Data Format (USB)	LPCM 2ch (16bit 48 kHz)
Protocols (Network)	RTMP, RTMPS, SRT
Video Data Format (Network)	MPEG-4 AVC/H.264 MPEG-H HEVC/H.265
Video Resolution (Network)	3840 x 2160 *8, 1920 x 1080, 1280 x 720
Audio Data Format (Network)	AAC-LC 2ch (16bit 48 kHz)

Accessibility

Accessibility Functions	Enlarge Screen
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Accessory

Supplied Accessory	LCD hood, Lens hood, V-shoe attachment
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Notes

*1	Including lens hood, battery (BP-U35), LCD hood, Cfexpress Type A memory card
*2	Using BP-U35, normal power consumption
*3	Number of effective pixels varies depending on attached lenses and camera settings.

*4	1920 x 1080/59.94i mode, F1.9, +42 dB gain, High Sensitivity Mode, with 64 frame accumulation,
*5	Models sold in some countries/regions support IEEE 802.11b/g/n (2.4GHz) wireless LAN only.
*6	Sony accessories for the Accessory Shoe can be attached.
*7	When [Resolution] is set to [HD(720p)], [MJPEG] is only available.
*8	Support only for RTMP/RTMPS
*9	Main body, XAVC Long 420, QFHD 59.94p, CFexpress Type A memory card recording, LCD monitor (default), no peripheral devices connected
*10	Main body, XAVC Intra, QFHD 59.94p, CFexpress Type A memory card recording (2-card simultaneous recording), LCD monitor (maximum), peripheral devices connected (SDI, HDMI, USB, wireless devices)

Information on EU Data Act: [Click here](#) to check if your Sony product and/or related service is subject to the EU Data Act.

Related products



PDT-FP1

Portable data transmitter with 5G, mmwave and sub6 for high-speed transmission of video and still images



PXW-Z200

1.0-type Exmor RS™ stacked CMOS sensor handheld XDCAM camcorder with 20x optical zoom, XAVC 4K, AI-powered Subject Recognition AF, Instant HDR Workflow and 12G-SDI



SMAD-P5

Multi Interface (MI) Shoe Adaptor



UWP-D27

UWP-D complete wireless audio package with seamless Sony cameras integration.



UWP-D26

UWP-D bodypack transmitter and XLR plug-on wireless microphone transmitter package



UWP-D22

UWP-D handheld wireless microphone package



UWP-D21

UWP-D bodypack wireless microphone package



ECM-VG1

Shotgun Electret condenser microphone



ECM-778

Shotgun Electret condenser microphone



CBK-RPU7

HEVC 4K/HD remote production unit



GP-VR100

Grip Remote Control

