

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

Lens

Focal Length (35mm Format Equivalent)	30.3 - 515 mm
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

Camera Section

Other Focus Features	AF Assist (Movie)
Proxy Recording	Yes
Digital Extender	Digital extender Approx. 1.5x (4K), Approx. 4x (HD)

Interface

Audio Input	3.5 mm Stereo minijack, 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	-
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)	Bluetooth remote control
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
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
------	---

NFC

NFC	-
-----	---

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
-------------------------	----------------

Accessory

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

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

Gallery

