SONY

BRC-AM7

Premium PTZ Auto Framing Camera with AI Analytics, 4K 60p, 20x optical zoom. High interoperability with other production systems

Specifications

General	
Mass	Approx. 3.5 kg Approx. 7 lb 11.5 oz
Dimensions (W x H x D)	Approx. 168.7 × 225.2 × 192.3 mm Approx. 6 3/4 × 8 7/8 × 7 5/8 in Without projecting object
Power Requirements	DC 12 V (11.0 V to 17.0 V) PoE++ (IEEE 802.3bt Type 4 Class 8 compliant) (41.1 V to 57.0 V)
Power Consumption	≦132 W (DC12 V) ≦71.3 W (PoE++)
Operating Temperature	0 °C to 40 °C 32 °F to 104 °F
	-20 °C to +60 °C

Storage Temperature	-4 °F to +140 °F
Ceiling Mount	Yes (with Ceiling Bracket)
Tally Ramp	Left (x1) / Right (x1), Red / Green / Yellow / Blue
Recording Format (Video)	XAVC S Intra 422 XAVC S Long 422 / 420 XAVC HS Long 422 / 420
Recording Format (Audio)	LPCM 24 bits, 48 kHz, 4 channels
Recording Frame Rate	XAVC S Intra 3840 x 2160 / 59.94p, 50p, 29.97p, 25p, 23.98p XAVC S Intra 1920 x 1080 / 59.94p, 50p, 29.97p, 25p, 23.98p XAVC S Long 422 / 420 3840 x 2160 / 119.88p, 100p, 59.94p, 50p, 29.97p, 25p, 23.98p XAVC S Long 422 / 420 1920 x 1080 / 119.88p, 100p, 59.94p, 50p, 29.97p, 25p, 23.98p XAVC HS Long 422 / 420 3840 x 2160 / 119.88p, 100p, 59.94p, 50p, 23.98p
Recording / Playback Time	No

Recording Format (Proxy Audio)	No
Recording Format (Proxy Video)	No

Lens

Lens Mount	No
F-Number (Maximum Aperture)	F2.8 to F4.5
Optical Zoom	20x
Focal Length	f = 7.71 to 154.21 mm
Focal Length (35mm Format Equivalent)	24 to 480 mm
Focus Range (From the front of the Lens)	Approx. 10 mm to infinity
Horizontal Viewing Angle	Approx. 75 deg.
Minimum Object Distance	Approx. 46 deg.

Camera Section

Imaging Device (Type)	1.0-type (13.2 mm x 8.8 mm) Exmor

	RS CMOS sensor
Number of Pixels (Total)	Approx. 20.9 megapixels
Number of Pixels (Effective)	Approx. 14.0 megapixels max.
Optical Low Pass Filter	Yes
Built-in Optical Filters	Clear, linear variable ND (1/4ND to 1/128ND)
Minimum Illumination	1.2 lx (typical) (3840 x 2160 / 29.97p mode, F2.8, +36 dB gain, SS=1/30 sec, BaseLook=ITU709)
Gain Control	-3 to 36 dB (every 1 dB)
Color Temperature Range	2000 K to 15000 K
ISO Sensitivity	ISO 250 to 16000
Focus	Type: Fast Hybrid AF (phase-detection AF / contrast-detection AF) Focus Point: Max. 475 points (phase-detection AF) Recognition Target: Human Focus Area: Wide / Zone / Flexible Spot

	Other Features: AF Subj. Shift Sensitivity, AF Transition Speed, AF Assist
Output Format	SDI OUT1: 3840 x 2160 / 59.94p, 50p, 29.97p, 25p, 23.98p, 1920 x 1080 / 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98p, 23.98PsF, 29.97PsF, 25PsF SDI OUT2: 1920 x 1080 / 59.94p, 50p, 29.97p, 25p, 23.98p HDMI: 3840 x 2160 / 59.94p, 50p, 29.97p, 25p, 23.98p, 1920 x 1080 / 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98p, 720 x 480 / 59.94p, 720 x 576 / 50p
Clear Image Zoom	Approx. 1.5x (QFHD), Approx. 2x (FHD)
Shutter Speed	64 frames to 1/8000 sec
Slow and Quick Motion Function	XAVC S QFHD 1 to 60, 100, 120 fps XAVC S HD 1 to 60, 100, 120, 150, 180, 200, 240 fps
White Balance	2000 K to 15000 K
Gain	-3 dB to +36 dB (every 1 dB, SDR

	ITU709)
Gamma Curve	No
Base Look	[S-Cinetone] / [ITU709] / [709tone] / [s709] / [709 (800%)] / [S-Log3] / [HLG Live] / [HLG Mild] / [HLG Natural]
Latitude	No
Night Shot	Yes

Pan-Tilt Section

Pan / Tilt Angle	Pan: -175 deg. to 175 deg. Tilt: -30 deg. to 210 deg.
Pan / Tilt Speed	Pan: 0.004 to 180 deg./sec Tilt: 0.004 to 180 deg./sec
Quietness	NC25 or less*1
Preset Position	100
Pan / Tilt / Zoom Sync	No
Pan / Tilt / Zoom Trace	No
PTZ Auto Framing	Yes

Input/Output

Audio Input	XLR-type 3-pin (female) (x2), line / mic / mic +48 V selectable Mic Reference: -30 to -80 dBu 3.5 mm Stereo Minijack x1, Mic
SDI Output	SDI OUT1: BNC (x1), 12G-SDI, 6G-SDI, 3G-SDI (Level A / B), HD-SDI SDI OUT2: BNC (×1), 3G-SDI (Level A), HD-SDI
HDMI Output	Type-A connector (x1)
Genlock Input	BNC (x1), 1.0 Vp-p, 75 Ω
Optical Output	SFP+ compliant *2*3
DC Input	XLR-type 4-pin (male) (x1)
Network	RJ-45 (LAN) (x1), 1000BASE-T
Remote Control	RJ-45 (OPTION) (x1) Red Tally IO / Green Tally IO
IR Remote Control	Yes
TC Input / TC Output	BNC (x1), TC IN only

SONY

Network/IP Streaming

Protocols	IPv6: TCP, UDP, ICMPv6, HTTP, HTTPS, DHCPv6, DNS, mDNS, RTP / RTCP, RTSP, SRT, FTP, FTPS, NTP IPv4: TCP, UDP, ARP, ICMP, HTTP, HTTPS, DHCP, DNS, mDNS, RTP / RTCP, RTSP, VISCA over IP, SRT, NDI®|HX, FTP, FTPS, NTP, S700PTP, RTMP, RTMPS, PTP-IP over SSH, SSDP, TSL- UMD
IP Stream	Video Resolution: 3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360 Compression Format: H.264: High / Main / Baseline Profile H.265: Main Profile Maximum Frame Rate: H.264: 59.94fps, H.265: 59.94fps Bitrate Control Mode: CBR / VBR Range of Bitrate Setting: 512 Kbps to 80 Mbps
NDI®||HX Capability	Yes (pre-installed)
Camera Tracking Data	free-d Type D0 / D1

Web App

	Windows: Windows 10 or later

Supported Operation Systems	Mac: macOS 11 or later iPad: iPadOS 16 or later Android: Android 11 or later
Supported Web Browsers	Windows: Google Chrome, Edge Mac: Google Chrome, Safari iPad: Google Chrome, Safari Android: Google Chrome

Media

Type	CFexpress Type A / SD card (x2) *3

Supplied Accessories

Kit Lens	No
Supplied Accessories	Lens cap (x1) Remote commander (RMT-RC3) (x1) Ceiling bracket A (x1) Ceiling bracket B (x1) Screw (M3x8) (x6) Screw (M4x8) (x1) Wire rope (x1) QR code sticker (x1) Warranty booklet (x1)

Accessibility

Screen Reader	No

Notes

*1	Sony measurement conditions
*2	The output is the same image as SDI OUT1. There is no input function to the camera such as camera control.
*3	Internal recording, playback and SFP+ are not available when powered via PoE++.

Related products

SRG-A40

PTZ Auto Framing Camera with AI Analytics, 30x (w/ CIZ) zoom, and NDI®| HX capability

SRG-A12

PTZ Auto Framing Camera with AI Analytics, 12x optical zoom, and NDI®| HX capability

BRC-X1000

Premium 4K30P PTZ Camera with 12x optical zoom and uncompromising broadcast picture quality

BRC-H800

Premium Full HD PTZ Camera with 12x optical zoom and uncompromising broadcast picture quality

BRC-X400

Premium 4K30P IP PTZ Camera with 30x (w/CIZ) zoom and NDI®|HX capability for use in a wide range of environments

HXC-FZ90

HXC-FZ90 portable studio camera system for 4K/HD production

HDC-3200

2/3-inch 4K 3CMOS Camera System

HDC-3500

Three 2/3-inch 4K CMOS sensors portable system camera for fibre operation

RCP-3100

Joystick type of remote control panel for HDC/HSC/HXC series cameras.
5 units in 19-inch EIA rack.

RCP-3500

Remote-control panel for HDC/HSC/HXC series cameras

VENICE

Next generation camera with forward thinking full frame sensor, phenomenal colour science and user-friendly operation.
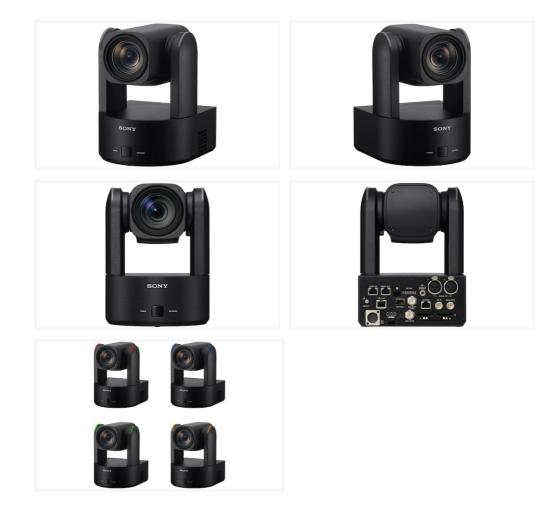
VENICE 2

Full-frame digital cinema camera with internal X-OCN recording and choice of 8K and 6K sensors.

BURANO

Versatile, lightweight, and compact full-frame 8K cinema camera with 16 stops of latitude. Easily configurable for solo and team production

Gallery