

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 |
|----------------------|----------------------|

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 | <ul style="list-style-type: none"> 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

