

## 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<br>Approx. 7 lb 11.5 oz   |
| Dimensions (W x H x D) | Approx. 168.7 × 225.2 × 192.3 mm<br>Approx. 6 3/4 × 8 7/8 × 7 5/8 in<br>Without projecting object    |
| Power Requirements     | DC 12 V<br>(11.0 V to 17.0 V)<br>PoE++ (IEEE 802.3bt Type 4 Class 8 compliant)<br>(41.1 V to 57.0 V) |
| Power Consumption      | ≤ 132 W (DC12 V)<br>≤ 71.3 W (PoE++)   |
| Operating Temperature  | 0 °C to 40 °C<br>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<br>XAVC S Long 422 / 420<br>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<br>XAVC S Intra 1920 x 1080 / 59.94p, 50p, 29.97p, 25p, 23.98p<br>XAVC S Long 422 / 420 3840 x 2160 / 119.88p, 100p, 59.94p, 50p, 29.97p, 25p, 23.98p<br>XAVC S Long 422 / 420 1920 x 1080 / 119.88p, 100p, 59.94p, 50p, 29.97p, 25p, 23.98p<br>XAVC HS Long 422 / 420 3840 x 2160 / 119.88p, 100p, 59.94p, 50p, 23.98p |
| Recording / Playback Time | No  |

|                                   |    |
|-----------------------------------|----|
| Recording Format<br>(Proxy Audio) | No |
|-----------------------------------|----|

|                                   |    |
|-----------------------------------|----|
| Recording Format<br>(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)<br>Focus Point: Max. 475 points (phase-detection AF)<br>Recognition Target: Human<br>Focus Area: Wide / Zone / Flexible Spot |

Other Features: AF Subj. Shift  
Sensitivity, AF Transition Speed, AF Assist

|                                |   |
|--------------------------------|---|
| Output Format                  | <p>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</p> <p>SDI OUT2: 1920 x 1080 / 59.94p, 50p, 29.97p, 25p, 23.98p</p> <p>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</p> |
| Clear Image Zoom               | Approx. 1.5x (QFHD), Approx. 2x (FHD)   |
| Shutter Speed                  | 64 frames to 1/8000 sec   |
| Slow and Quick Motion Function | <p>XAVC S QFHD<br/>1 to 60, 100, 120 fps</p> <p>XAVC S HD<br/>1 to 60, 100, 120, 150, 180, 200, 240 fps</p>   |
| 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.<br>Tilt: -30 deg. to 210 deg.  |
| Pan / Tilt Speed        | Pan: 0.004 to 180 deg./sec<br>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),<br>line / mic / mic +48 V selectable<br>Mic Reference: -30 to -80 dBu<br>3.5 mm Stereo Minijack x1, Mic |
|-------------|---|

|            |   |
|------------|---|
| SDI Output | SDI OUT1: BNC (x1),<br>12G-SDI, 6G-SDI, 3G-SDI (Level A /<br>B), HD-SDI<br>SDI OUT2: BNC (× 1),<br>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) |
|----------|----------------------------|

|         |                              |
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| Network | RJ-45 (LAN) (x1), 1000BASE-T |
|---------|------------------------------|

|                |  |
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| Remote Control | RJ-45 (OPTION) (x1)<br>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<br>iPad: iPadOS 16 or later<br>Android: Android 11 or later |
|-----------------------------|--|

|                        |   |
|------------------------|---|
| Supported Web Browsers | Windows: Google Chrome, Edge<br>Mac: Google Chrome, Safari<br>iPad: Google Chrome, Safari<br>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"> <li>Lens cap (x1)</li> <li>Remote commander (RMT-RC3) (x1)</li> <li>Ceiling bracket A (x1)</li> <li>Ceiling bracket B (x1)</li> <li>Screw (M3x8) (x6)</li> <li>Screw (M4x8) (x1)</li> <li>Wire rope (x1)</li> <li>QR code sticker (x1)</li> <li>Warranty booklet (x1)</li> </ul> |
|----------------------|---|

## 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

