



BRCX1000

4K/HD PTZ camera
with 1-inch Exmor® R
CMOS sensor & PoE+

\$11,499.00

U.S. List Price

UPC: 002724228540

Weights & Measures: Approx.
4.3kg / Approx. 9 lb 7.7oz ,
Approx. 198 x 260 x 238mm
(without projecting object x
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(without projecting object x
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Overview

The BRC-X1000 is the first Sony 4K remote camera, combining uncompromising broadcast picture quality and smooth, silent PTZ operation with the flexibility of 3G-SDI and HDMI connections. Designed for remote operation, this compact but powerful robotic camera is an ideal complement to other broadcast cameras for capturing images in hard-to-reach or unobtrusive positions. It's equally at home in TV newsrooms, remote studios, and on-air suites, auditoriums, houses of worship, courtrooms, or sports stadiums. It's also particularly suited to efficient multi-camera set-ups, under the control of a single operator. The 1-inch type Exmor® R CMOS image sensor captures detail-packed 4K footage at 30p with four times the pixel count of Full HD, and excellent low-light sensitivity. The large image sensor also allows the creation of beautiful 'bokeh' effects with a shallow depth of field to suit any artistic intention. Speedy, near-silent PTZ operation with 12x optical zoom accommodates wide-angle scenes and tightly framed close-ups, with Clear Image Zoom 18x (4K), 24x (HD) extending this range even further without visible loss of resolution. Broadcast-friendly features include dual tally lamps for on-air operation, while operational flexibility is enhanced with options for ceiling, table-top, or tripod mounting. There's also a broad range of video interfacing and remote control possibilities—plus support for PoE+ and genlock—for smooth integration into any broadcast, professional, or corporate AV environment.

Highlights

* PoE+ for flexible powering options

For installation simplicity and flexibility, the BRC-X1000 supports a PoE+ (Power-over-Ethernet) capability that carries IP control and power over a single connection cable.

* Broadcast-Friendly Features

With Pan, Tilt, and Zoom control, the BRC range puts remote-recording technology at your fingertips. PTZ Trace Memory (planned for summer 2017) allows a sequence of camera movements to be memorized and recalled when required, removing the need for a cameraman and reducing costs. This new feature smoothly blends separate pan, tilt and zoom movements for seamless, professional-looking transitions.

* Clear Image Zoom Technology

This super resolution technology doubles the optical zoom while still delivering exceptional image quality. The optical excellence of a genuine 12x optical zoom Zeiss Vario-Sonnar T lens with Clear Image Zoom capabilities to 18x in 4k/24x in HD allows you to enlarge the image while

* High Quality & High Sensitivity Image Sensor

The heart of this camera is Sony's 1.0 type back illuminated Exmor R CMOS sensor and image processing engine featuring a high sensitivity of 1.7 lx minimum illumination.

* Boost Efficiency with Cost Savings & Ease of Operation

This easy to use model enables a single camera operator to manage a multi-camera production. The BRC-X1000 presently support up to 16 position presets (with additional presets planned for future upgrades) making it easy for the operator to transition smoothly and seamlessly from speaker-to-speaker presenting on a dais or a presenter walking mark-to-mark. When more professional camera movements are needed (e.g. gliding up, down and across from close-up to wide shots, control zoom speed), complicated camerawork can be pre-programmed with new control features such as Trace Memory and PTZ Motion Sync for added flexibility.

maintaining its original image quality. The end result is an artistic triumph when shooting in 4K 24p (cinema-style resolution planned for summer 2017) with a beautiful bokeh for dramatic depth-of-field effects and its flexibility enables the cameras to be utilized as a creative tool. With its high speed 60p HD mode, this camera clearly capture fast-paced footage when shooting live sports.

Features

| Features | Benefits |
|--|--|
| Enhanced Pan/Tilt/Zoom (PTZ) operation | Accurately re-frame shots or track moving subjects with smooth, speedy, near-silent remote control of pan, tilt, and zoom functions. There's also low-speed zoom and a slow pan/tilt mode for precise, judder-free camera movements. PTZ Trace Memory* allows a sequence of camera movements to be memorized and followed whenever required. PTZ Motion Sync* smoothly blends separate pan, tilt, and zoom movements for seamless, professional-looking transitions. |
| Uncompromising 4K images | The camera's large, back-illuminated 1-inch type Exmor® R CMOS sensor delivers uncompromised broadcast-quality color pictures in detail-packed 4K 30p, with four times the resolution of Full HD. Footage can also be captured in Full HD 60p—ideal for fast-moving sports action. |
| Cinematic 24p pictures* | The camera can also operate in 24p mode, for video footage with a rich, filmic look. |
| High-quality 12x optical zoom and 18x (4K) or 24x (HD) with Clear Image Zoom | The high-quality Zeiss Vario-Sonnar T* lens with 12x optical zoom range covers wide-angle shots as well as tight close-ups. Clear Image Zoom expands this range to 18x (4K) or 24x (HD) without sacrificing detail. |
| Excellent low-light sensitivity | The BRC-X1000 can capture crisp, low-noise color video images in light levels as low as 1.7 lx, making it an ideal choice for dimly lit live hall and theatre. |
| Flexible installation | Pan/tilt/zoom and other camera settings can be controlled using the supplied IR remote commander, or with the optional RM-IP10 Remote Control Unit that can control multiple cameras. |
| Genlock | Genlock simplifies integration with other systems in multi-camera broadcast environments. |
| Versatile video outputs | Enjoy greater installation flexibility in professional broadcast and AV environments with dual-link 3G-SDI (x4) and HDMI video outputs. |
| Front and rear tally lamps | Ideal for on-air broadcast use, the BRC-X1000 features dual tally lamps on the front and rear of the camera body. Brightness of the front tally lamp can be adjusted in two steps |
| Always up to date | New camera functionality and performance improvements can be added via firmware updates over IP. |
| *To be supported in 2017 | |

Specifications

| General Specifications | Detail |
|--------------------------|---|
| Angle of View (H) | 64.6°Wide-end) |
| Camera Control Interface | RS-422(VISCA) / VISCA Over IP |
| Dimensions (W x H x D) | Approx. 198 x 260 x 238mm (without projecting object) |
| Effective Pixels | Approx. 14.2 Megapixels |
| External Sync Input | Yes |
| Focal Length | f=9.3 to 111.6mm F2.8(Wide) ,F4.5(Tele) |
| Focus System | Auto/Manual |
| Gain | Auto/Manual (-3dB to +33dB) |
| Image Device | 1-type Exmor R CMOS |
| Minimum Illumination | 1.7 lx (50IRE, 1/30s, Iris/Gain Auto) |
| Operating Temperature | 0 °C to 40 °C / 32 °F to 104 °F |
| Pan/Tilt Angle | Pan: ±170° Tilt: +90°/-30° |
| Pan/Tilt Speed | Pan: 0.3° to 60°/s Tilt: 0.3° to 60°/s |

| | |
|--------------------------|--|
| Panel Display Resolution | 12x Optical Zoom Lens / Clear Image Zoom Technology 2x for a total of 24x |
| Power Requirements | DC 10.8V to 13.2V, PoE+(IEEE802.3at compliant) |
| Preset Positions | 16* (planned increase in 2017) |
| Shutter Speed | 1/10000s to 1/8 (59.94/29.97) 1/10000s to 1/6 (50/25) |
| Video Output | Dual Link 3G-SDI x 2(Mon/Line), HDMI x 1, Ethernet x 1(Ctrl), RS-422 x 2(In/Out) |
| Weight | Mass: Approx. 4.3kg Approx. 9 lb 7.7oz |
| White Balance | Auto1/Auto2/One Push/Indoor/Outdoor/Manual |

Resources

Product Manual

| Description: | Release Date | Type/Size | |
|---|--------------|--------------|------------------------------|
| BRC-X1000 and BRC-H800 Command List Manual | 01/23/2017 | pdf / 349K | Download now |
| BRC-X1000 and BRC-H800 Safety Instructions Manual | 01/23/2017 | pdf / 1,271K | Download now |
| BRC-X1000 and BRC-H800 Operating Instructions | 01/23/2017 | pdf / 3,578K | Download now |

Specification Sheet

| Description: | Release Date | Type/Size | |
|---|--------------|------------|------------------------------|
| BRC-X1000 and BRC-H800 Preliminary Spec Sheet | 01/23/2017 | pdf / 474K | Download now |