



BRCX1000/1

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

\$11,499.00

U.S. List Price

UPC: 027242285866

Weights & Measures: Approx.
4.3kg / Approx. 9 lb 7.7oz ,
Approx. 198 x 260 x 238mm
(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.

Specifications

Camera Specifications	Detail
Auto Exposure	Exposure Control: Auto, Manual, Priority mode (shutter priority, iris priority, gain priority), EV compensation, Back light, Spot light
Effective Pixels	Approx. 14.2 Megapixels
Horizontal Viewing Angle	64.6°Wide-end)
Image Device	1" Exmore R CMOS sensor
Lens	12x - Clear Image Zoom: 2x(HD), 1.5x(4K) Total 24x(HD), 18x(4K)
Pan Angle/Speed	Pan: ±170° Pan: 0.3° to 60°/s
Shutter Speed	1/10000s to 1/8 (59.94/29.97) 1/10000s to 1/6 (50/25)
Tilt Angle/Speed	Tilt: +90°/-30° Tilt: 0.3° to 60°/s
White Balance	Auto1/Auto2/One Push/Indoor/Outdoor/Manual
General Specifications	Detail
Dimensions (W x H x D)	Approx. 198 x 260 x 238mm (without projecting object) Approx. 7 7/8 x 10 1/4 x 9 3/8 inch (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	PoE+ 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
Interface Specifications	Detail
Camera Control Interface	RS-422(VISCA) / VISCA over IP
Video Output Specifications	Detail

Horizontal Resolution	4K/HD
Minimum Resolution	1.7Lx (50IRE, 1/30s, Iris/Gain Auto)
Signal System	3840x2160 /29.97p.25p 1920x1080/59.94p, 59.94i, 50p, 50i1280x720/59.94p, 50p 3840x2160/23.98p*, 1920x1080/23.98p* * planned for later in 2017
Video Output	4K - Dual link 3G-SDI x2 and HDMI HD - 3G-SDI x2 and HDMI

Accessories

Optional Accessories

Model:	Description:	U.S.List Price
BRZ12CDH	Environmental Dome for BRC-X1000/1, BRC-H900 and BRC-H800/1 PTZ Cameras	\$6,499.00
RMIP10	IP Remote Controller for the Select BRC and SRG PTZ Cameras	Pricing available upon request
RMIP500/1	PTZ Camera Remote Controller	\$3,095.00

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

Brochure

Description:	Release Date	Type/Size	
BRZ-12CDH Environmental Dome Enclosure for Sony BRC 4K & HD PTZ Cameras		pdf / 830K	Download now