

SONY

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BRC-H900P

Three 1/2-inch type Exmor CMOS sensor all-in-one Full HD robotic camera

Full HD robotic camera ideal for broadcast applications

The BRC-H900P delivers exceptionally high quality images and flexibility, making it ideal as a low-cost complement to broadcast studio cameras for capturing images in hard-to-reach or unobtrusive positions. The camera features three high quality 1/2-inch type Exmor CMOS sensors and a 14x optical zoom lens. Ceiling mountability, tally lamps and HD/SD-SDI connectivity increase the camera's flexibility.

PrimeSupport

This product comes with the full PrimeSupport package. That's fast, hassle-free repairs, a helpline offering expert technical advice, and a free loan unit while yours is repaired. Plus the peace of mind that Sony is looking after your equipment – and your business.

Features

High quality image capture

The BRC-H900P delivers exceptional picture quality thanks to three 1/2-inch type Exmor CMOS sensors. In addition, the feature rich colour adjustment functions allow fine-tuning to meet demanding needs.

High quality 14x optical zoom

The camera features a high quality 14x optical zoom lens, allowing the camera to integrate easily with broadcast quality studio cameras.

Low light image capture

High sensitivity (F10) and excellent minimum illumination (4lx) performance enables the BRC-H900P to capture high quality pictures in low light conditions.

High performance Pan/Tilt/Zoom mechanism

The BRC-H900P covers a wide shooting range with its highly accurate Pan/Tilt mechanism. It has a very wide pan range of 340 degrees and a tilt range of 120 degrees. Both pan and tilt speeds are variable within

the range of 0.25 to 60 degrees per second. This enables the BRC-H900P to capture not only fastmoving objects, but also slow-moving objects without rocking vibration.

Flexible installation – ceiling mount or flat surface

Because the BRC-H900P has an "Image Flip" function, the unit can either be mounted on a ceiling using the supplied ceiling mount kit or placed on a flat surface to suit almost any installation requirement.

Remote control operation with VISCA protocol

The BRC-H900P can be controlled by external devices such as the optional RM-BR300 Remote Control Unit thanks to Sony's well established VISCA protocol. All local controls such as Pan/Tilt/Zoom, camera settings, and sixteen presets can be easily accessed, and up to seven cameras can be daisy-chained and controlled by a single RM-BR300 Remote Control Unit.

Optional IP control

The BRC-H900P can be configured as part of a low cost communication system over Ethernet. Up to 100 cameras can be controlled in one system.

Versatile video outputs

The BRC-H900P has a range of video outputs including HD/SD-SDI interface for direct connection with various video equipment.

Tally lamps

Tally lamps on the front and rear of the BRC-H900P offer flexible installation and operation in various shooting environments.

Same optional accessories as the BRC-Z330

The BRC-H900P uses the same optional accessories as the BRC-Z330, expanding the number of applications for the camera at a low cost.

Technical Specifications

Camera	
Image Sensor	1/2-type Exmor CMOS x3
Image Sensor (Number of Effective Pixels)	Approx. 2.07 Megapixels
Image Sensor (Total Number of Pixels)	Approx. 3.01 Megapixels
Signal System	50 Hz: 1080/50i, 720/50P, PAL
Sensitivity	F10
Minimum Illumination (50IRE)	4 lx (50IRE, F1.9, +24 dB)
Horizontal Resolution	>1,000 TV line(in HD-SDI output) (center)
S/N Ratio	50 dB
Gain	Auto/Manual (-3 dB to +24 dB)
Shutter Speed	1/8,000 s to 1/60 s or 1/8,000 s to 1/50 s
Exposure Control	Auto, Manual, Priority mode (shutter priority & iris priority), Back light, Spot light
Color AE Function	No
White Balance	Auto/Indoor/Outdoor/One-push/Manual
Optical Zoom	14x
Digital Zoom	-
Focusing System	Auto/Manual
Horizontal Viewing Angle	59.6°(Wide-end)
Focal Length	f=5.8 mm to 81.2 mmF1.9 (Wide), F2.8 (Tele)
Minimum Object Distance	800mm
Pan/Tilt Angle	Pan: ±170°Tilt: +90°/-30°
Pan/Tilt Speed	Pan: 0.22° to 60°/sTilt: 0.22° to 60°/s
Preset Position	16

Camera Features	
Auto ICR	No
Wide-D	No
Image Stabilization	On/Off (Optical)
Image Flip	On/Off
ND Filter	No
Color Gain	No
Color Hue	No
Color Matrix	ON/OFF
Color Detail	ON/OFF
Skintone Detail	No

Gamma	STD1/STD2/STD3/STD4/CINE1/CINE2/CINE3/CINE4
Gamma Level	-99 to 0 to +99
Black	-99 to 0 to +99
Black Gamma	-99 to 0 to +99
Knee Point	50 to 90 to 109
Knee Slope	-99 to 0 to +99
Knee Sat Level	0 to 50 to 99
Auto Focus Assist Function	No
Flicker Cancel	On/Off
B&W	No
Color Bar	On/Off

Interface	
HD Video Output	HD/SD-SDI(switchable)Component (Y/Pb/Pr) or RGB, HD, VD or SYNC
SD Video Output	Composite, Y/C
Camera Control Interface	RS-232C/RS-422(VISCA)
External Sync. Input	Yes

General	
Power Requirements	DC 10.8 V to 13.2 V
Power Consumption	Max 28.8 W (without optional cards)
Operating Temperature	0 °C to 40 °C32 °F to 104 °F
Storage Temperature	-20 °C to +60 °C-4 °F to +140 °F
Dimensions (W x H x D) *1	198 x 260 x 238mm7 7/8 x 10 1/4 x 9 3/8 inch
Mass	5.0 kg11 lb 0.37 oz
Optional Card Slot?	Yes
Body Color	Silver
Size of Screw Hole for Tripod	1/4-20UNC
Mountable Angle	
Ceiling Mount	Yes
Supplied Accessories	IR Remote Commander Unit (1)AC power adaptor (1)AC power cord (1)RS-422 connector plug (1)Ceiling bracket (2)Wire rope (1)Screws(M3 x 8) (7)Screws(M4 x 8) (1)Operating instructions (1)
*1	The values for dimensions are approximate.