

BRC-300P

Three 1/4-inch 7-type Advanced CCD sensors all-in-one SD robotic compact camera



Overview

Sony's BRC-300/BRC-300P is a revolutionary all-in-one compact robotic color video camera system, specially designed for remote video shooting applications. The BRC-300/BRC-300P incorporates three 1/4.7-type Advanced HAD™ CCDs, that provide high-quality and high-resolution images in both 4:3 and 16:9 modes.

With its high-accuracy and wide-range Pan/Tilt/Zoom capability, the BRC-300/BRC-300P precisely captures the right points of the viewable area surrounding the camera to meet your needs. You can also easily operate the camera with Sony's optional RM-BR300 Remote Control Unit, which is equipped with an ergonomic joystick, and feature-rich control panel. And when used with optional BRBK-303 Optical Multiplex Card and BRU-300 Optical Multiplex Unit, the BRC-300 is capable of being controlled from a long distance with a single fiber optic cable connection.

The BRC-300/BRC-300P also comes equipped with a card slot that accepts optional interface cards, enabling the camera to be integrated into every kind of system from S-Video to RGB, SDI or even fiber. In addition, two remote control interfaces (VISCA™ protocol) are available to provide additional expandability and flexibility for your remote shooting applications.

Superb Picture Quality with a Mega Pixels 3-CCD.

The BRC-300/BRC-300P incorporates three 1/4.7-type Advanced HAD CCD sensors with a total of 1,070,000 pixels. This camera delivers outstanding picture quality with high resolution and accurate color reproduction.

Specifications

Camera	
Image Sensor	1/4.7-type IT Advanced HAD CCD x3
Image Sensor (Number of Effective Pixels)	Approx. 1.02 Megapixels
Image Sensor (Total Number of Pixels)	1.07 Megapixels
Signal System	BRC-300: NTSC BRC-300P: PAL
Sensitivity	NA
Minimum Illumination (25IRE)	7 lx (25IRE, F1.6, +18dB)
Horizontal Resolution	NA
S/N Ratio	50 dB

Camera

Gain	Auto/Manual (-3 dB to +18 dB, 3 dB steps) switchable
Shutter Speed	BRC-300: 1/10,000 s to 1/4 s BRC-300P: 1/10,000 s to 1/3 s
Exposure Control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, spot AE
Color AE Function	No
White Balance	Auto/Indoor/Outdoor/One-push/Manual
Optical Zoom	12x
Digital Zoom	4x
Focusing System	Auto/Manual
Horizontal Viewing Angle	4:3 mode: 37.8°, 16:9 mode: 45.4°(Wide end)
Focal Length	f = 3.6 mm to 43.2 mm F1.6 (Wide), F2.8 (Tele)
Minimum Object Distance	300 mm (Wide) 800 mm (Tele)
Pan/Tilt Angle	Pan: $\pm 170^\circ$ Tilt: $+90^\circ/-30^\circ$
Pan/Tilt Speed	Pan: 0.25° to 60°/s Tilt: 0.25° to 60°/s
Preset Position	6

Camera Features

Auto ICR	No
Wide-D	No
Image Stabilization	No
Image Flip	On/Off
ND Filter	No
Color Gain	No
Color Hue	No
Color Matrix	No
Color Detail	No
Skintone Detail	No
Gamma	No
Gamma Level	NA

Camera Features

Black	NA
Black Gamma	NA
Knee Point	No
Knee Slope	NA
Knee Sat Level	NA
Auto Focus Assist Function	No
Flicker Cancel	No
B&W	No
Color Bar	No

Interface

SD Video Output	VBS, Y/C
Camera Control Interface	RS-232C/RS-422 (VISCA)
External Sync. Input	Yes

General

Power Requirements	DC 12 V
Power Consumption	21.6 W (without optional cards)
Operating Temperature	0 °C to 40 °C 32 °F to 104 °F
Storage Temperature	-20 °C to +60 °C -4 °F to +140 °F
Dimensions (W x H x D) *1	180 x 210.1 x 205 mm 7 1/8 x 8 3/8 x 8 1/8 inches
Mass	2.5 kg 5 lb 8 oz
Optional Card Slots	Yes
Body Color	White
Size of Screw Hole for Tripod	1/4-20UNC, depth 6.5
Mountable Angle	±15°
Ceiling Mount	Yes

General

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 (7) Operating instructions (1)
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Notes

Note	*[1] The values for dimensions are approximate.
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Gallery



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