SONY



3CCD Colour Video Camera

The new BRC-300P from Sony is a revolutionary all-in-one compact robotic colour video camera system, specially designed for remote video shooting applications. It incorporates three 1/4.7-type Advanced HADTM CCDs, providing 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-300P precisely captures the right points of the viewable area surrounding the camera to meet your needs. The optional RM-BR300P Remote Control Unit, which is equipped with an ergonomic joystick and feature-rich control panel, makes it even easier to operate the camera. In addition, when used with the optional BRBK-303 Optical Multiplex Card and BRU-300P Optical Multiplex Unit, the BRC-300P can be controlled from up to 500 metres with a single fibre optic cable connection.

The BRC-300P 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 fibre. In addition, two remote control interfaces (VISCA™ protocol) are available to provide additional expandability and flexibility for your remote shooting applications.

With a number of convenient features such as its Image Flip function for desktop or ceiling mount flexibility together with its compact body, the BRC-300P is ideal for use in a wide range of remote shooting applications such as houses of worship, distance learning, corporate training, high-end videoconference, event shooting, and cable TV broadcasting.





Main Features

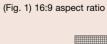
Superb Picture Quality with a Mega Pixels 3-CCD

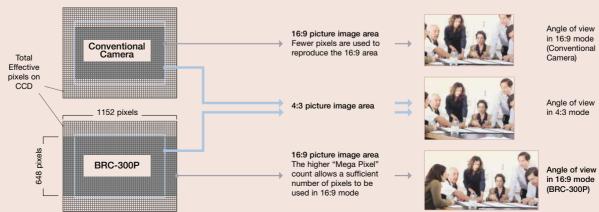
The BRC-300P incorporates three 1/4.7-type Advanced HAD CCD sensors with a total of 1,070,000 pixels allowing the camera to deliver outstanding picture quality with high resolution and accurate colour reproduction. Featuring Sony Advanced HAD technology that produces low-noise images, the BRC-300P is ideal in low-illuminated shooting environments or when shooting dark subjects.

Precision 16:9 Technology

The BRC-300P captures images in both 4:3 and 16:9 aspect ratios and, with its 3CCD technology, is able to achieve a wide angle of view in the 16:9 mode.

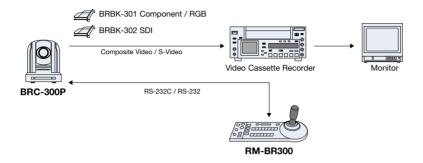
Due to the greater number of pixels used in the 16:9 aspect ratio, the BRC-300P generates extremely high-resolution images when compared to conventional cameras.



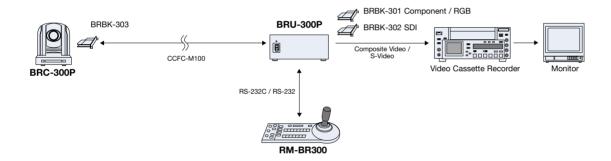


System Configuration

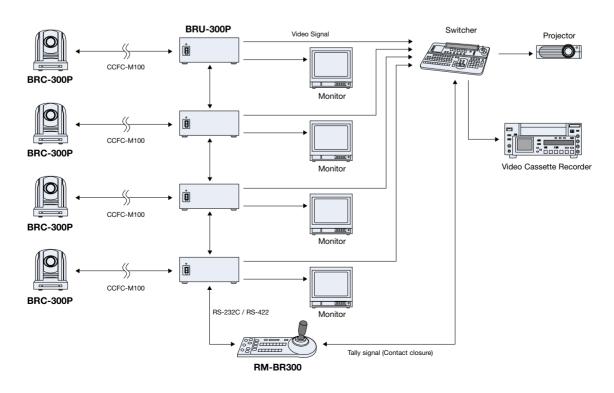
Short-distance operation



Long-distance operation



Multiple camera operation from a remote location





High-Performance Sony Pan/Tilt/Zoom Mechanism

The BRC-300P covers a wide shooting range with its highly accurate Pan/Tilt mechanism. It has one of the widest ranges in its class: a pan range of 340 degrees and a tilt range of 120 degrees. The 340-degree pan range can be covered in 8 seconds, while the 120-degree tilt range can be covered in 4.5 seconds. With its newly-developed Pan/Tilt mechanism, the BRC-300P can capture not only fast-moving objects, but also slow-moving objects without rocking vibration. What's more, the BRC-300P incorporates a 12x optical auto-focus zoom lens, allowing for a zoom capability of up to 48x when used in combination with its 4x digital zoom.

RS-232C/RS-422 Remote Control (VISCA protocol)

The BRC-300P can be controlled by external devices such as the optional RM-BR300 Remote Control Unit thanks to Sony's well-known VISCA protocol. All local controls such as Pan/Tilt/Zoom, camera settings and six presets can be easily accessed, while up to seven cameras can be daisy-chained and controlled by the RM-BR300 Remote Control Unit.

Versatile Video Outputs

The BRC-300P can be used with a range of versatile optional interface cards allowing for flexible analogue and digital system configurations. Choose from the following interface cards to configure your individual requirements:

- Analogue RGB/Component: BRBK-301*1
- SDI: BRBK-302*1

Thanks to these convenient options, the BRC-300P truly functions as an all-in-one, compact robotic camera.

*1: Can be installed into the both BRC-300P and BRU-300P.

Optional Accessories

BRBK-301 Analogue/RGB Component Card BRBK-302 SDI Card BRBK-303 Optical Multiplex Card RM-BR300 Remote Control Unit









Other Convenient Features

Ceiling or Desktop Mount Installation

Thanks to Sony's Image Flip functions, the BRC-300P can be ceiling-mounted using the supplied ceiling mount kit or can also be used on your desktop.

Six Presets

Various camera settings such as Pan/Tilt/Zoom and focus can be preset in up to six presets per camera.

Multi-Function IR Remote Commander® Unit

Basic camera settings such as Pan/Tilt/Zoom functions and six-preset patterns can be controlled from the supplied IR Remote commander.

Easy-to-use and Ergonomically-designed Remote Control Unit (RM-BR300)

All camera settings including the Pan/Tilt/Zoom function and six preset patterns can be controlled from the optional RM-BR300 Remote Control Unit. The ergonomic joystick design and featurerich control panel provide superb operability in various remoteshooting applications.

Optical Multiplex Unit (BRU-300P)

With the optional BRBK-303 Optical Multiplex Card and the optional BRU-300P Optical Multiplex Unit, uncompressed digital data including external sync and camera control can be transmitted via the BRU-300P Optical Multiplex Unit. With only a single cable connection required between the camera and the optical multiplex unit, the system is extremely easy to install. The maximum cable length between these units is 500 metres allowing multiple cameras to be located virtually anywhere you want.

What's more, the BRU-300P Optical Multiplex Unit is equipped with two built-in card slots identical to the ones found in the BRC-300P camera allowing for flexible analogue and digital system configurations.



RM-BR300 control panel



RM-BR300 rear panel



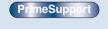
Supplied IR Remote commander



BRC-300P rear panel with the optional BRBK-302



BRU-300P rear panel with the optional BRBK-301/BRBK-302



Enhanced service and operational/technical back-up solutions from Sony PrimeSupport may be available. Please ask your local Sony office or dealer for details.

BRU-300P Optical Multiplex Unit CCFC-M100
Optical Fiber Cable

CCMC-9DS RGB/Component, Y/C Cable (9-pin D-sub) CCXC-9DBS RGB/Component, VBS Cable (9-pin D-sub) VCL-HG0737X Wide Conversion Lens











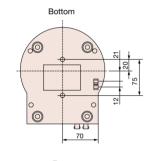
Specifications

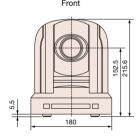
1,070,000 pixels (g	Three 1/4.7 type IT Advanced HAD CCD (x3),	
,,	gross)	
4:3 mode	960 (H) x 720 (V)	
16:9 mode	1,152 (H) x 648 (V)	
752 (H) x 582 (V)		
PAL		
4:3 mode: 600 TV lines		
Internal/External		
12x optical zoom,	48x with digital zoom	
f = 3.6 to 43.2 mm	(F1.6 to F2.8)	
4:3 mode: 3.3 (Tele end) to 37.8 degrees (Wide end)		
16:9 mode: 4.0 (Tele end) to 45.4 degrees (Wide end)		
300 mm (Wide end	d), 800 mm (Tele end)	
-170 to +170 degrees (Pan), -30 to +90 degrees (Tilt)		
0.25 to 60 degrees/s (Pan/Tilt)		
7 lx at F1.6		
50 dB		
1/10000 to 1/3 s		
Auto/Manual (-3 to	18 dB, 3 dB steps) switchable	
Auto, Indoor, Outd	loor, One-push WB, Manual	
6 positions		
VBS (BNC), Y/C (4	pin Mini DIN)	
RS-232C (VISCA p	protocol) / RS-422 (VISCA protocol)	
On / Off		
0 to 40 degrees (32	2 to 104 °F)	
-20 to 60 degrees	(-4 to 140 °F)	
DC 12 V		
21.6 W (without op	otional card)	
180 x 205 x 211 m	m (7 ½ x 8 ½ x 8 ¾ inches)	
2.7 kg (5 lb 15 oz)	·	
Terminal connector	remote commander (1), r (1), AC adaptor cable (1), , Operating instructions (1)	
	752 (H) x 582 (V) PAL 4:3 mode: 600 TV Internal/External 12x optical zoom, f = 3.6 to 43.2 mm 4:3 mode: 3.3 (Teldam) 16:9 mode: 4.0 (Teldam) 300 mm (Wide end) -170 to +170 degree 0.25 to 60 degree 7 lx at F1.6 50 dB 1/10000 to 1/3 s Auto/Manual (-3 to Auto, Indoor, Outo 6 positions VBS (BNC), Y/C (4 RS-232C (VISCA port) 0n / Off 0 to 40 degrees (3 -20 to 60 degrees DC 12 V 21.6 W (without option of the control of the contr	

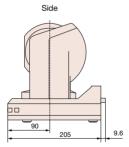
BRU-300P Optical Multiplex Unit		
Optical fibre	Multi mode, LC-type connector	
Video output	VBS (BNC), Y/C (4-pin Mini DIN)	
Camera control interface	RS-232C (VISCA protocol) / RS-422 (VISCA protocol)	
Sync systems	Internal/External	
Card slots	2 slots: Analogue RGB-Component card / SDI card	
Operating temperature	0 to 40 degrees (32 to 104 °F)	
Storage temperature	-20 to 60 degrees (-4 to 140 °F)	
Power requirements	AC 220 to 240 V, 50/60 Hz	
Power consumption	9 W (without optional cards)	
Dimensions (WxHxD)	212 x 88 x 233 mm (8 3/8 x 3 ½ x 9 ¼ inches)	
Mass	2.7 kg (5 lb 15 oz)	
Supplied accessories	AC power cable (1), Terminal connector (1), RS-232C cable (3 m, 8-pin Mini DIN) (1), Operating instructions (1)	
DM DD000 Devents Control Heit		

RM-BR300 Remote Control Unit		
Camera control interface	RS-232C (VISCA protocol) / RS-422 (VISCA protocol)	
External control	Contact closure	
Power requirement	DC 10.8 to 13.2 V	
Power consumption	2.4 W	
Dimensions (WxHxD)	391.3 x 185 x 145.9 mm (15 ½ x 7 3/8 x 5 3/4 inches)	
Mass	950 g (2 lb 1 oz)	
Supplied accessories	AC adaptor (1), AC power cable (1), RS-232C cable (3 m, 8-pin Mini Din) (1), Terminal connector(2), Operating instructions (1)	

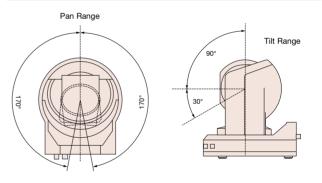
BRC-300P Dimensions (Unit: mm)







BRC-300P Pan/Tilt Bange



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