

SONY
make.believe



BRC Series

Color Video Cameras

BRC-H900
BRC-H700
BRC-Z700
BRC-Z330
BRC-300

APPLICATIONS

Corporate/Boardroom

BRC Series cameras are excellent for various business communication applications, videoconferencing, corporate training, and broadcasting management meetings to remote locations. Each camera in this series offers particular features and benefits to fit the various needs of applications.

The cameras are easy to operate and can be quickly reset



after each use by simply touching a button on the optional controllers which recall pre-specified positions for capturing speech and switching scenes.

Auditorium/Concert Hall

With its pan/tilt/zoom (P/T/Z) capability, a single camera can capture a wide shooting range during an entire live performance, including audience shots. The BRC's wide range capability can reduce the need for additional cameras and cameras operators resulting in substantial cost savings. These cameras make it easy to get close-ups of performers from



locations that are usually difficult for a camera operator to reach. Additionally, each camera's compact size and quiet movement does not distract the audience from the performance.

City Council

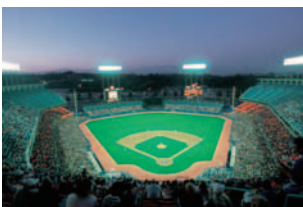
Remotely controlled by the RM-BR300, BRC Series cameras can quickly capture the actions at council meetings or trials.



With the ability to select multiple pre-defined P/T/Z positions, each camera provides simple, streamlined operation.

Sports Events

With high-speed and extremely smooth pan/tilt movement, BRC Series cameras can follow the quick, spontaneous flow of sports action. With cameras installed in high positions, operators can obtain extensive views of each event, and capture shots at unique angles, which are usually very difficult



to capture with conventional shooting. Also, optical fiber connection (max. 2,000 m) achieves long-distance data transfer and enables single-operator broadcasting.

Studio

The BRC Series is also ideal for use in the broadcast industry. The BRC-H900, BRC-H700, BRC-Z700, and BRC-Z330 can output HD-SDI signals*1 – a necessity for highly demanding broadcasters who seek uncompromising picture quality. With flexible installation, these cameras can be easily integrated into a working studio with tripods or ceiling brackets. For the wide angles required in studio shooting, wide conversion



lenses are available*2. And there are numerous other benefits, including quiet and smooth P/T/Z movement, a tally indicator, cost-efficiency, and more.

Education

By deploying BRC Series cameras, teachers can offer students new educational opportunities anytime and anywhere. With the real-time distribution of lectures and other educational



content, academic institutions can deliver e-learning classes, and professors can efficiently share their opinions and collaborate via networked communication.

Houses of Worship

By using large screens in combination with highly sensitive BRC Series cameras, clear video images can be delivered with accurate color reproduction. Attendees can become more involved in the service and follow ongoing events better



than ever before. With a variety of peripheral components, a range of user-friendly systems can be designed to suit the size and budget of every organization.

Weddings

Pre-installed BRC Series cameras are ideal for capturing wedding ceremonies since their silent movement will not disturb the ceremony. With high picture performance and zooming capabilities, these cameras can capture natural



facial expressions and, for example, the graceful movements of the bride. Also, due to their compact and sleek design, these cameras blend easily into the surrounding environment.

*1 The BRC-H700, BRC-Z700, and BRC-Z330 require optional video cards. (sold separately)

*2 Wide conversion lenses are available for the BRC-Z700 and BRC-300. (sold separately)

The BRC Series consists of five pan/tilt/zoom (P/T/Z) cameras – the BRC-H900, BRC-H700, BRC-Z700, BRC-Z330, and BRC-300. They offer wide and smooth P/T/Z capabilities together with exceptional picture quality from SD to Full HD images. You can remotely control these cameras using the RM-BR300 Remote Control Unit or RM-IP10 IP Remote Controller.*³ As a flagship model, the BRC-H900 delivers superb sensitivity (F10) and horizontal resolution (more than 1,000 TV lines in HD-SDI output) to meet the needs of high image quality applications. The BRC Series is perfect for a variety of remote video shooting applications, and each camera integrates easily into a wide range of indoor and outdoor systems.

These features enable users to enjoy the benefits of BRC Series cameras, particularly in education, broadcast, wedding, and corporate applications. These cameras also enable a reduction in manned operation with their advanced remote capabilities.

PRODUCTS OVERVIEW

	BRC-H900	BRC-H700	BRC-Z700	BRC-Z330	BRC-300
Image Sensor	1/2-type Exmor CMOS x 3	1/3-type IT CCD x 3	1/4-type CMOS x 3	1/3-type CMOS	1/4.7-type CCD x 3
Signal System	1080i/59.94, 720p/59.94, 1080i/50, 720p/50, NTSC, PAL	1080i/59.94, 1080i/50	1080i/59.94, 1080i/50, NTSC, PAL	1080i/59.94, 720p/59.94, 1080i/50, 720p/50, NTSC, PAL	NTSC
Sensitivity	F10	NA			
Minimum Illumination	4 lx (50IRE, F1.9, +24 dB)	6 lx (50IRE, F1.6, +24 dB)	6 lx (50IRE, F1.6, +24 dB)	6 lx (50IRE, F1.6, +24 dB)	7 lx (25IRE, F1.6, +18 dB)
Advanced Color Adjustment	✓				
HD Video Output	HD/SD-SDI	Option	Option	Option	
	Component, RGB	✓	✓	✓	
SD Video Output	Composite, Y/C	✓	✓	✓	✓ (NTSC)
Optical Zoom (Digital Zoom)	14x	12x (4x)	20x (4x)	18x (4x)	12x (4x)
IP Control	Option		Option	Option	

KEY FEATURES

Superb Picture Quality

Thanks to Sony's amazing image sensor technology, BRC Series remote cameras deliver exceptionally high picture quality to meet demanding live production requirements. The BRC-H900 offers excellent performance at minimum illumination (as low as four lux) and therefore offers visibility even in dark environments*⁴.

Silent & Smooth Pan/Tilt/Zoom Mechanism

BRC Series remote cameras can be operated with slow to fast P/T/Z motion from remote locations*⁵. Also the silent mechanism enables the unit to be installed in noise-conscious environments.

Flexible Installation

In addition to typical desktop installation, BRC Series cameras can be ceiling mounted. With the use of a tripod and tripod screw, these cameras are also suitable for mobile applications, such as live events. Thanks to their compact design, these cameras can be installed in locations typically too small for camera operators and larger cameras.

IP Control

The BRC-H900, BRC-Z700, and BRC-Z330 can be controlled through an IP network with the use of an RM-IP10 IP Remote Controller and BRBK-IP10 or BRBK-IP7Z IP Control Card. This functionality allows for flexible configurations, and enables the installation of up to 112 units of BRC cameras and up to five units of RM-IP10 controller depending on customer requirements.

Advanced Color Adjustment

The BRC-H900 is equipped with a variety of picture adjustment features, including color, gamma, black, and knee settings. These feature-rich color adjustment functions allow fine tuning to meet professional demands.

Tally Lamp

All BRC Series cameras are equipped with a tally lamp. Additionally, the BRC-H900 has a second tally lamp – one on the front and one on the rear, offering wider visibility.

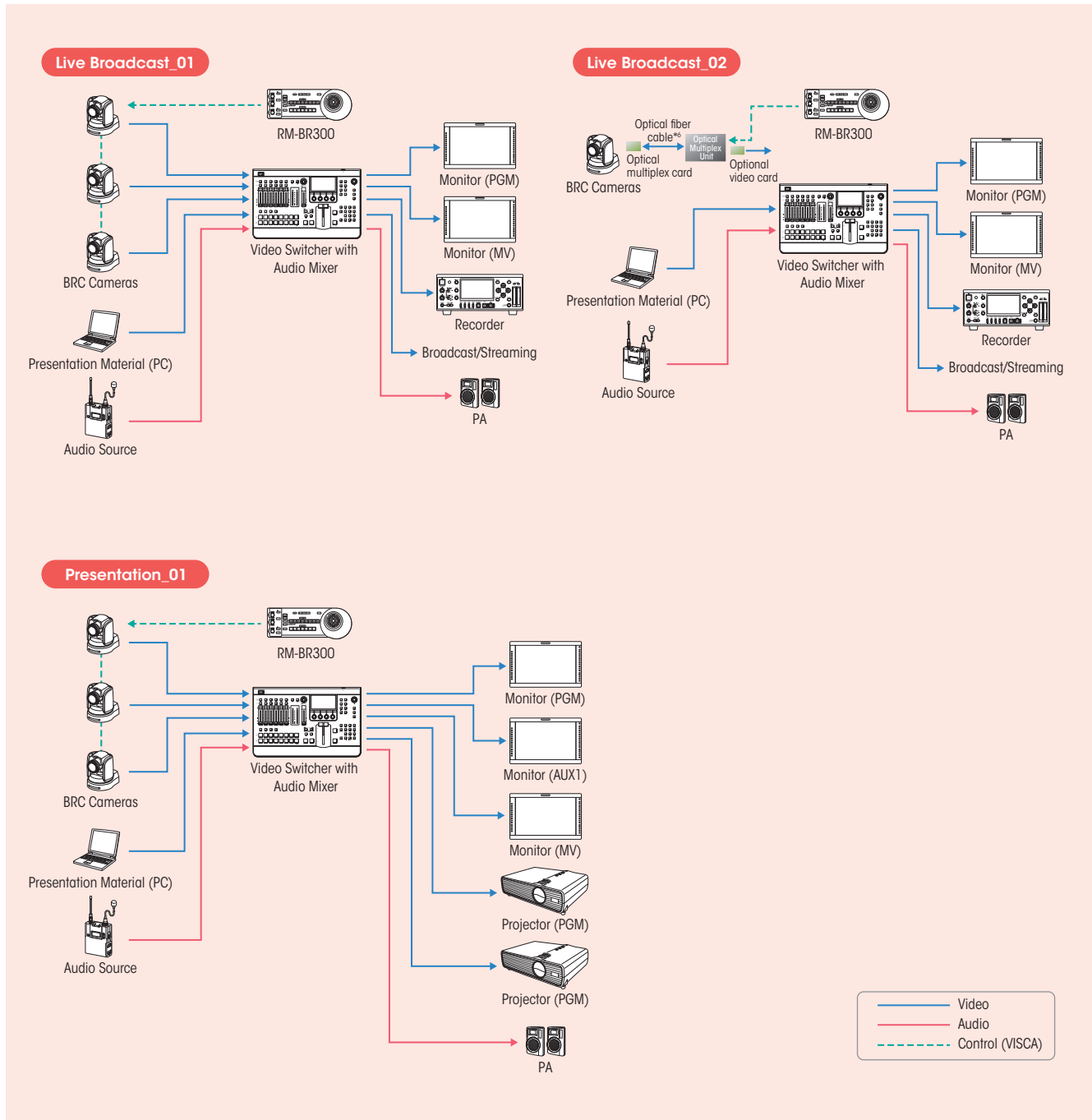
*³ The RM-IP10 is compatible with the BRC-H900, BRC-Z700, and BRC-Z330 only.

*⁴ At 50IRE, F1.9, +24 dB.












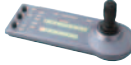



*⁵ Ranging from 0.22° to 60° per second for the BRC-H900 and BRC-Z700.

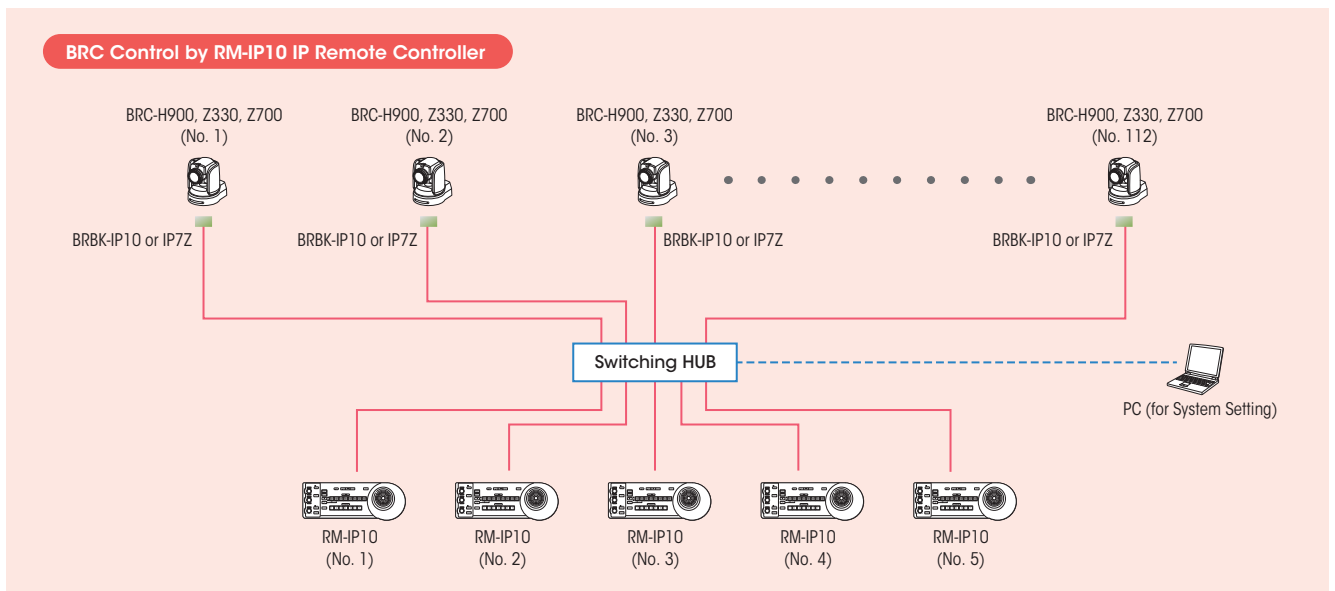
SYSTEM CONFIGURATION

You can configure a variety of systems to meet your application needs by choosing HD and/or SD components. Users can choose either HD or SD system components.



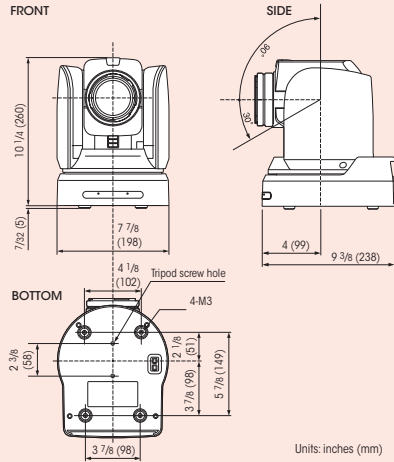
*6 There are two types of optical fiber cable (Single-mode/Multi-mode). Please refer to the specifications.

	BRC and BRU System				
	BRC-H900	BRC-H700	BRC-Z700	BRC-Z330	BRC-300
Wide Conversion Lens	—	—	—	—	VCL-0737W 
Optical Multiplex Card (inserted to the BRC Series)	BRBK-SF1	BRBK-H700	BRBK-MF1	BRBK-SF1	BRBK-303
Optical Fiber Cable	CCFC-S200 (Single-mode) 	CCFC-M100HG (Multi-mode) 		CCFC-S200 (Single-mode) 	CCFC-M100 (Multi-mode) 
Optical Multiplex Unit	BRU-SF10 (Supports Single-mode optical fiber) 	BRU-H700 (Supports Multi-mode optical fiber) 		BRU-SF10 (Supports Single-mode optical fiber) 	BRU-300 (Supports Multi-mode optical fiber) 
Optional Video Card (inserted to the BRC Series)	BRBK-HSD2 HD/SD-SDI	HFBK-HD1 HD-SDI, HD Component (Y/Pb/Pr), RGB	BRBK-HSD1 HD-SDI, SD-SDI	BRBK-HSD2 HD/SD-SDI	BRBK-301 Composite, Y/C, SD Component (Y/Cb/Cr), RGB
		HFBK-SD1 SD-SDI, Composite, Y/C, SD Component (Y/Cb/Cr), RGB			BRBK-302 SD-SDI
	BRBK-SA1 Analog SD Output	HFBK-TS1 i.LINK (HDV)		BRBK-SA1 Analog SD Output	BRBK-304 i.LINK (DV)
		HFBK-XG1 WXGA, XGA, VGA			
IP Control Card	BRBK-IP10 	—	BRBK-IP7Z 	BRBK-IP10 	—
Remote Control Unit (IP)	RM-IP10 	—	RM-IP10 	RM-IP10 	—
Remote Control Unit (VISCA)	RM-BR300 				

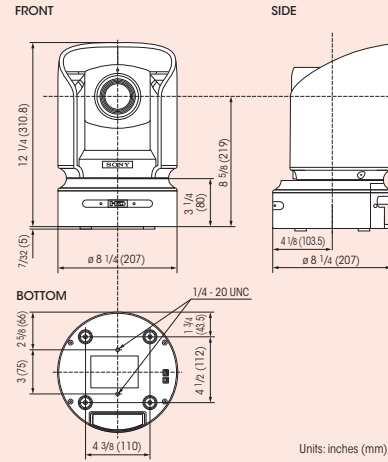


DIMENSIONS

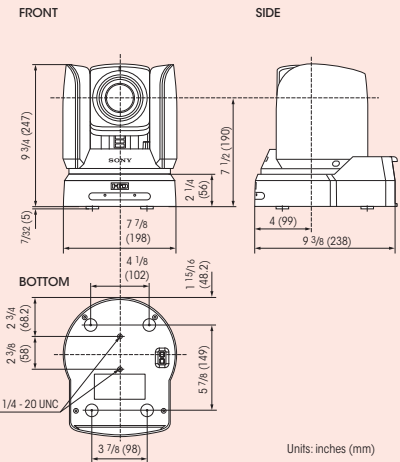
BRC-H900



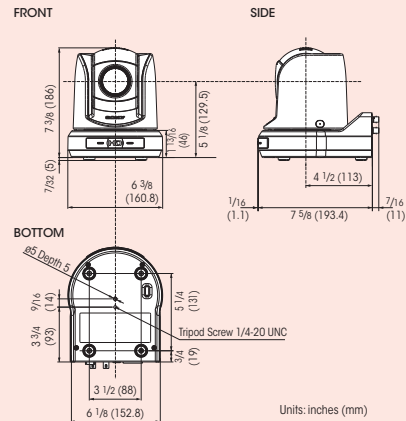
BRC-H700



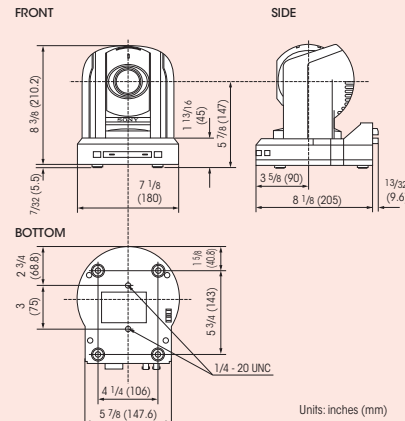
BRC-Z700



BRC-Z330

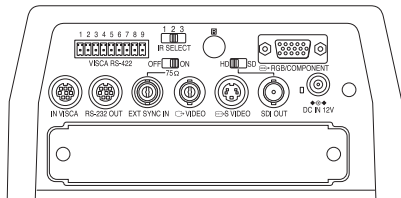


BRC-300

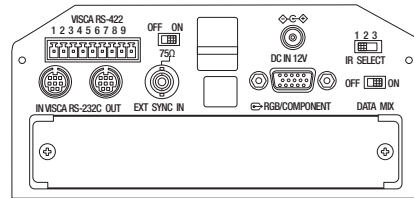


REAR PANELS

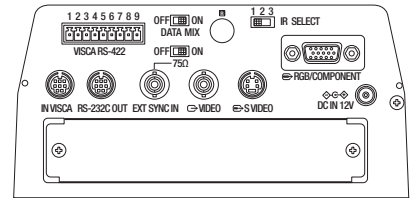
BRC-H900



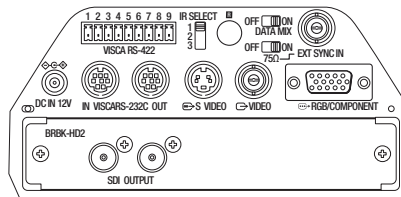
BRC-H700



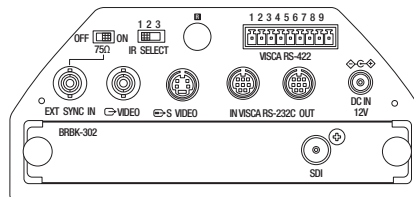
BRC-Z700



BRC-Z330



BRC-300



OPTIONAL ACCESSORIES

 BRBK-H700 HD Optical Multiplex Card	 HFBK-HD1 HD Interface Board	 HFBK-SD1 SD Interface Board	 HFBK-XG1 XGA Interface Board	 HFBK-TS1 i.LINK (HDV) Interface Board	 BRBK-MF1 HD Optical Multiplex Card	 BRBK-HSD1 HD/SD-SDI Output Card
BRC-H700	BRC-H700 BRU-H700	BRC-H700 BRU-H700	BRC-H700 BRU-H700	BRC-H700 BRU-H700	BRC-Z700	BRC-Z700
 BRBK-301 Analog RGB Component Card	 BRBK-302 SDI Card	 BRBK-303 SD Optical Multiplex Card	 BRBK-304 DV Card	 BRBK-HSD2 HD/SD-SDI Output Card	 BRBK-SA1 Analog SD Output Card	
BRC-300 BRU-300	BRC-300 BRU-300	BRC-300	BRC-300 BRU-300	BRC-H900 BRC-Z330 BRU-SF10	BRC-H900 BRC-Z330 BRU-SF10	
 BRBK-SF1 HD Optical Multiplex Card	 BRBK-IP10 IP Control Card	 BRBK-IP7Z IP Control Card	 BRU-H700 HD Optical Multiplex Unit (Supports Multi-mode optical fiber)	 BRU-SF10 HD/SD Optical Multiplex Unit (Supports Single-mode optical fiber)	 BRU-300 SD Optical Multiplex Unit (Supports Multi-mode optical fiber)	
BRC-H900 BRC-Z330	BRC-H900 BRC-Z330	BRC-Z700	BRC-H700 BRC-Z700	BRC-H900 BRC-Z330	BRC-300	
 CCFC-M100HG Optical Fiber Cable 2-core Multi-mode Optical Fiber Cable (100 m long). Extension Plug Included	 CCFC-S200 Optical Fiber Cable 2-core Single-mode Optical Fiber Cable (200 m long). Extension Plug Included	 CCFC-M100 Optical Fiber Cable 2-core Multi-mode Optical Fiber Cable (100 m long). Extension Plug Included	 CCMC-9DS*7 RGB/Component, Y/C Cable (9-pin D-sub)	 CCXC-9DBS*7 RGB/Component, VBS Cable (9-pin D-sub)	 VCL-0737W Wide Conversion Lens	 VCL-HG0862K Wide Conversion Lens
BRC-H700 BRC-Z700	BRC-H900 BRC-Z330	BRC-300			BRC-300	BRC-Z700

REMOTE CONTROL UNITS



RM-IP10*8
IP Remote Controller

- Comfortable P/T/Z operation with the optical three-axis joystick
- Versatile camera adjustment by simple panel operation
- The use of IP technology allows flexible installation and easy operation
- Preset feature saves camera settings (up to 16 positions)



RM-BR300
Remote Control Unit

- Comfortable P/T/Z operation with the optical three-axis joystick
- Versatile camera adjustment by simple panel operation
- VISCA RS-232C/RS-422 communication interfaces allow high-speed, long-distance control
- A tally/contact connector allows connection with a switcher and provides a short-circuit corresponding to the camera address
- Preset feature saves camera settings (up to 16 positions)*9



BRS-200
Remote Camera Operating Switcher

- Live Production and Presentation Switcher for HD or SD Systems
- Multi Viewing Function
- Rich Selection of Inputs and Outputs
 - Standard: SDI input x 4 / output x 4, DVI-I output x 1
 - With option: SDI input x 8 / output x 4, DVI-I input x 1 / output x 2
- BRC Series Camera Control Capability

Note: BRC-H900 is NOT compatible with BRS-200.

*7 These cables are for use with the BRBK-301 or HFBK-SD1.

*8 The RM-IP10 is compatible with the BRC-H900, BRC-Z700, and BRC-Z330 only.

*9 For the BRC-300, six positions can be saved.

