SONY

Network PTZ Cameras

Why Sony?

Sony is a recognized leader in the world of professional imaging technology.

Across both consumer and professional applications, Sony is a foremost global manufacturer of high-quality products that go from lens to living room. Sony offers unbeatable, reliable products with progressive technology resulting in a variety of robotic cameras that are ideal for a range of markets including education, broadcast, production, corporate, faith, sports, healthcare and government.

Classrooms/Large Auditoriums/Conference Rooms

From classrooms, lecture halls to conference centers, our BRC and SRG remote cameras ensure speakers and audience members are always clearly visible. Stream lectures, presentations and live performances with broadcast-quality images in 4K or Full HD. Speed control and silent PTZ movement frames presenters and audience reactions with fluid, professional camera moves. Multiple interfaces, flexible control options and Power over Ethernet make them easy to integrate into any size venue.

Broadcast/Reality TV/Production

Our BRC feature-packed remote cameras deliver impeccable images in 4K or Full HD for TV stations, cable channels and internet broadcasters. Excellent low light sensitivity & smooth, silent, PTZ movement makes them a discreet choice for capturing the action in reality TV shows. Achieve dependable on-air operation with tally lamps, professional interfaces, and genlock for smooth integration into multi-camera broadcast environments and reduce costs by remotely controlling cameras with a single operator.

House of Worship

Capture every detail of services, weddings and other ceremonies in any size venue. Our discreet remote cameras are the natural choice for streaming crisp video footage in impressive 4K or Full HD from your house of worship to online audiences and members of the congregation. High sensitivity delivers exceptional image quality even in low-light environments and our powerful optical zoom technology acquires close up details from a discrete distance.

Government/Event/Location Shooting

Get closer to the civil proceeding, debate or press conference from venues around the globe with effortlessly smooth BRC & SRG PTZ cameras. Give your viewing audience a prime seat to the action with the ability to support up to 100 cameras via IP connection remotely with Sony's RM-IP500/1 controller.

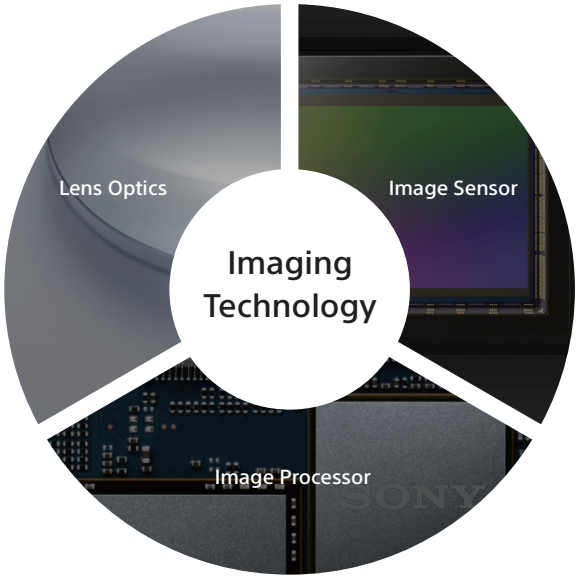
Healthcare/Medical Recording & Training

From patient monitoring to surgical recording/training, Sony's BRC & SRG cameras provide the high-quality and reliability required by critical health professionals. With a host of interfaces to enable simple connectivity to other room devices, Sony PTZ cameras are just what the doctor ordered.

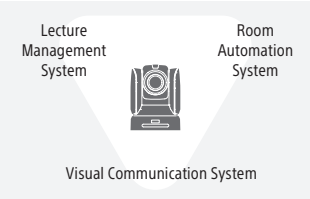
Optimal Imaging Quality for Any Situation

Sony develops all of the camera block's key components, including lenses, sensors, and processors. Our design experience in both consumer and commercial professional markets ensures optimal quality for the camera block's color parameters across a wide range of applications.

As a leading manufacturer of imagers, Sony is continually developing and adapting cutting-edge imaging technology to provide premium image quality.



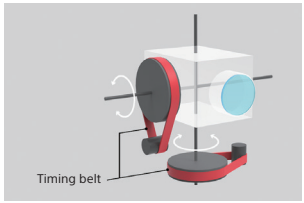
Professional Features



System compatibility

Sony has developed close ties with numerous partner vendors, enabling excellent compatibility with peripheral devices.
NDI®|HX compatibility* supports efficient IP-based live production, enabling flexible configuration.

*BRC-X400/SRG-X400/SRG-X120, via optional license.



Precision

The PT drive's use of a timing belt delivers professional-level accuracy and smoothness; and an optimal control parameter makes it possible to realize intuitive operation faithfully, via the controller.

Durability

Our cameras have passed stringent testing – including lens durability testing and pan/tilt operational tests – to ensure they meet the standards of demanding professional users for both quality and reliability.

Discreet Style

Our black and white camera's minimalist design complements any décor, blending seamlessly and stylishly into the room.
The cameras can be tabletop or ceiling mounted for installation flexibility.

NDI®|HX

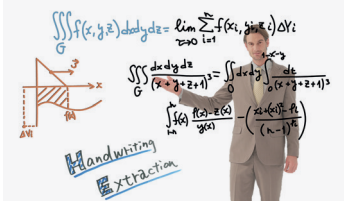
NDI® is a registered trademark of NewTek, Inc.

Network services, content, and the [operating system and] software of this Product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.

Change Your Work Style with AI-based Video Analytics Technology

Create attractive and hassle-free video content in real-time with the REA-C1000. AI-driven virtual cameraman features, coupled with optional software licenses, bring your presentations to life. Optional licenses include: Chromakey-less Overlay, Focus Area Cropping, Close Up by Gesture, Handwriting Extraction and PTZ Auto Tracking.

Edge
(REA-C1000)



Handwriting Extraction
(REA-L0100)

PTZ Auto Tracking
(REA-L0200)

BRC-X1000 Series 4K HD

Remotely capture broadcast quality 4K/HD images with smooth, silent PTZ and excellent low-light sensitivity

The BRC-X1000 Series is Sony's first 4K remote camera, combining uncompromising broadcast picture quality and smooth, silent PTZ operation with the flexibility of Power over Ethernet (PoE+).
The BRC-X1000 Series is a key migration model - it takes you from HD today to 4K tomorrow with its resolution options.

BRC-X1000/1 (black)

BRC-X1000/WPW (white)

BRC-H800 Series HD

Remotely capture broadcast quality Full HD images with smooth, silent PTZ and excellent low-light sensitivity.

The BRC-H800 remote cameras combine uncompromising broadcast picture quality and smooth, silent PTZ operation with Power over Ethernet)PoE+, 3G-SDI and HDMI connections.

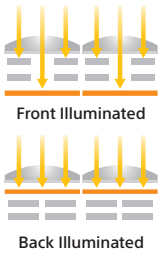
BRC-H800/1 (black)

BRC-H800/WPW (white)

Key Features

High Quality and Fine Detail

Breathtaking 4K/HD Quality



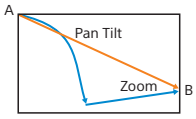
Sony's back-illuminated 1.0 - type Exmor R sensor, unique digital image processor and reliable Zeiss lens enable you to shoot high-sensitivity 4K and HD video with low noise. Teleconvert mode and Clear Image Zoom maintain a high-quality image, even when zooming (up to 48x).

* Only available at 1,920×1,080 output

- Broadcast-quality Full HD 60p images
- 12x Optical Zoom and 18x (4K) or 24x (HD) with Clear Image Zoom Technology
- Excellent low light sensitivity
- Flexible installation
- RCP Connectivity
- Genlock
- Front and rear tally lamps
- Supports common command protocol 700PTP

Enhanced Pan/Tilt/Zoom (PTZ) Operation

Accurately re-frame shots or track moving subjects with smooth, speedy, near-silent remote control of pan, tilt and zoom functions. A high-torque, high-resolution motor coupled with a low speed zoom and a slow pan/tilt mode delivers precise, jitter-free pan/tilt movements.



Professional Camerawork

PTZ motion sync blends separate pan, tilt and zoom during preset movement to deliver super-smooth results.

PTZ Trace Memory function allows a sequence of camera movements to be memorized and followed. PTZ Motion Sync smoothly blends separate pan/tilt/zoom movements for seamless, professional-looking transitions. Up to 100 preset positions for PTZ operations.

Boost Efficiency with Remote Control

Effective One-Person /Operation

Remotely control multiple cameras without multiple operators. IP settings can be configured automatically without manual IP set-up on a PC with the RMIP500/1's auto-IP set up function.

* BRC-X1000/1: Black Color BRC-X1000/WPW: White Color

BRC-X400 Series

4K HD

Capture every point of view with Sony's 4K/HD NDI®|HX capable cameras.

The BRC-X400 Series is Sony's first IP 4K PTZ camera with NDI®|HX capability and excellent picture quality delivered by Sony's superb Exmor R™ CMOS sensor.

BRC-X400 BRC-X400/W

Key Features

Excellent 4K/HD Picture Quality

Sony's back-illuminated 1/2.5 type 4K Exmor R sensor delivers crisp, low noise images in 4K and HD in any environment. Tele Convert Mode and Clear Image Zoom maintain a high quality image, even when zooming up to 80x (FHD)/30x (4K) with 70° wide shooting angle.

Flexible and Efficient IP-based Live Production

The BRC-X400 cameras support NDI via an optional license available from Netwek. They also feature PoE+ enabling a single network cable for power, image output and camera control. RTSP (Real Time Streaming Protocol) and RTMP* are also supported.

Easy System Configuration and Operation

Supporting multiple camera control protocols (700PTP, CGI and VISCA) and a color bar feature, the BRC-X400 offers compatibility with studio cameras and are an ideal choice for regional TV stations, cable channels, internet broadcasters and reality TV shows. Genlock support and tally lamp enable smooth camera switching in live events. And its new scene file function* enables you to apply the same menu from one camera to the other camera for fast and easy set-up.

Flexible installation

The BRC-X400 is equally suitable for ceiling, desktop or tripod mounting with an 'Image Flip' function that automatically ensures the correct output orientation in any installation environment. Ceiling bracket included.

* By future upgrade planned for early 2020.

BRC-H900

HD

Remotely capture broadcast quality Full HD images with smooth, silent PTZ operation.

The BRC-H900 remote studio camera combines uncompromising broadcast picture quality with the flexibility of PTZ operation.

Key Features

Broadcast quality Full HD images

The BRC-H900 delivers uncompromised broadcast quality color pictures in Full HD, thanks to three 1/2-type Exmor CMOS sensors. Advanced picture adjust functions include matrix, color correction, white, detail, knee, gamma, master black, black gamma and flicker cancel.

High quality 14x optical zoom lens

The high quality lens with 14x optical zoom range covers wide angle shots as well as tight close-ups.

Smooth, silent Pan/Tilt/Zoom (PTZ) operation

Accurately re-frame shots or track moving subjects with smooth, quiet remote control of pan, tilt and zoom functions. There's also a slow pan/tilt mode for precise, jitter-free low-speed camera movements.

Flexible installation

The BRC-H900 is equally suitable for ceiling, desktop or tripod mounting, with an 'Image Flip' function that automatically ensures the correct output orientation in any installation environment. Ceiling bracket included.

Remote operation and IP control

P/T/Z and other camera settings can be controlled using the supplied IR remote commander or with the optional RMIP500/1 controller that can control up to 100 cameras over standard IP networks (optional BRBKIP10 board required).

Front and rear tally lamps

Ideal for on-air broadcast use, the BRC-H900 features dual tally lamps on the front and rear of the camera body.

SRG-X400

FHD 20x NDI®|HX compatible, PoE+
Triple Output IP Streaming Camera
4K Upgrade via Optional License

SRG-X120

FHD 12x NDI®|HX compatible, PoE+
Triple Output IP Streaming Camera
4K Upgrade via Optional License

SRG-360SHE

FHD 30x PoE+ Triple Output IP Steaming Camera

SRG-300SE Series

FHD 30x 3G-SDI IP Streaming Cameras

SRG-300H Series

FHD 30x HDMI Cameras

SRG-120D Series

FHC 12x Desktop Cameras
(HDMI, USB3.0 or 3G-SDI)

	NDI®|HX compatible*	FHD /4K * * Video Option	3G-SDI	HDMI	IP Stream	IP Control	USB 3.0	Audio	Viewing Angle	Ceiling / Desktop Mountable
SRG-X400	Yes	Yes/Yes	Yes	Yes	Yes	Yes	No	Yes	70°	Yes / Yes
SRG-360SHE	No	Yes/No	Yes	Yes	Yes	Yes	No	Yes	65°	Yes / Yes
SRG-300SE	No	Yes/No	Yes	No	Yes	Yes	No	Yes	65°	Yes / Yes
SRG-300H	No	Yes/No	No	Yes	No	Yes	No	No	65°	Yes / Yes
SRG-X120	Yes	Yes/Yes	Yes	Yes	Yes	Yes	No	Yes	70°	Yes / Yes
SRG-120DS	No	Yes/No	Yes	No	No	Yes	No	No	71°	No / Yes
SRG-120DH	No	Yes/No	No	Yes	No	Yes	No	No	71°	No / Yes
SRG-120DU	No	Yes/No	No	No	No	Yes	Yes	No	71°	No / Yes

* Optional NDI license available from Netwek. ** Optional 4K license upgrade available Spring 2020.

Superb Full-HD 1080/60p Video with High Picture Quality

Incorporating Sony's latest 1/2.5 inch Exmor R CMOS sensor, the SRG-X400 and SRG-X120 cameras provide high sensitivity, high quality full HD (1920x1080/60p) images with extremely low noise. High frame rate (60p) operation ensures smooth, more fluid reproduction of moving objects.

Powerful Optical Zoom

The SRG-X400, with its 20x built-in lens (40x HD zoom capability) and responsive autofocus, images stay clear and sharp, even at high zoom settings and close-ups. The SRG-X120 is equipped with a 12x built-in lens and wide shooting angle (approximately 70°). Both models offer extremely high sensitivity and combine easy and flexible system operation.

Professional PTZ Transitions

The new X Series incorporate new preset features – Fast Preset Recall, Picture Freeze Preset and PTZ Sync*2 - that allow for quick, steady and professional looking image transitions to enhance your audiences' experience.

*2 By future upgrade planned for Spring 2020.

Versality of Applications and Housings

View, record, and/or stream full HD video for a wide range of applications including education, corporate, government, healthcare, sports and houses of worship. The SRG-X400, SRG-X120, SRG-300SE and SRG-300H cameras are available in a black or white housing. The SRG-120DH, DS and DU are available only in silver. The SRG-360SHE is available only in a two toned (black and white) housing.

• Optional Accessories Include:

- **RMIP10 and RMIP500/1 Remote Controllers**

  The RMIP10 can control up to 112 cameras and up to 16 camera positions. The RMIP500/1 controls up to 100 BRC or SRG cameras and can be controlled via IP. Automatic IP address assignment makes for simple set up.

- **EZ-2-Connect Packages – Power, Video and Control Solutions**

  Installation headaches are a thing of the past when you combine an SRG camera with a CAT5e/6 cabling kit. Just one standard Ethernet cable enables power and control – saving you time and money. The RC5-SRG (Ethernet-HDMI) and RC4-SRG (VISCA-HDMI) cable kits are compatible with the SRG-300H series and the SRG-120DH cameras.

Peripheral Equipment

RM-IP500/1
IP Remote Controller

- Control via High-quality joystick or seesaw lever
- Knobs and control buttons simply access to camera functions
- Automatic IP address and camera number assignment
- Control up to 100 BRC or SRG cameras via IP
- Store & recall up to 100 presets
- Adjust camera paint functions
- Adjustable PTZF for smooth, accurate camera movements

MCX-500
Multi-Camera Live Producer

- Smart controls with configurable LCD Touchscreen
- Mix between 8 video sources + 1 Title (total 9 inputs)
- Multi-view monitoring

RM-IP10
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)

RCP-1500/3100
Remote Control Panel

- Paint control for Sony remote camera and system camera
- IRIS/Master Pedestal Control with joystick
- Ethernet cable operation

CNA-1
Camera Control Network Adaptor

- Command conversion between BRC-H900 and RCP-1500/1530
- Option soft HZC-BRCN1 is required.

Optional Accessories

BRBK-IP10*
IP Control Card

BRBK-HSD2*
HD/SD-SDI Output Card

BRU-SF10*
HD Optical Multiplex Unit
(Supports Single-mode optical fiber)

BRZ-12CDH
Environmental Dome Housing**

KT-STRUT
Uni Strut Wall/Ceiling Mount Kit***

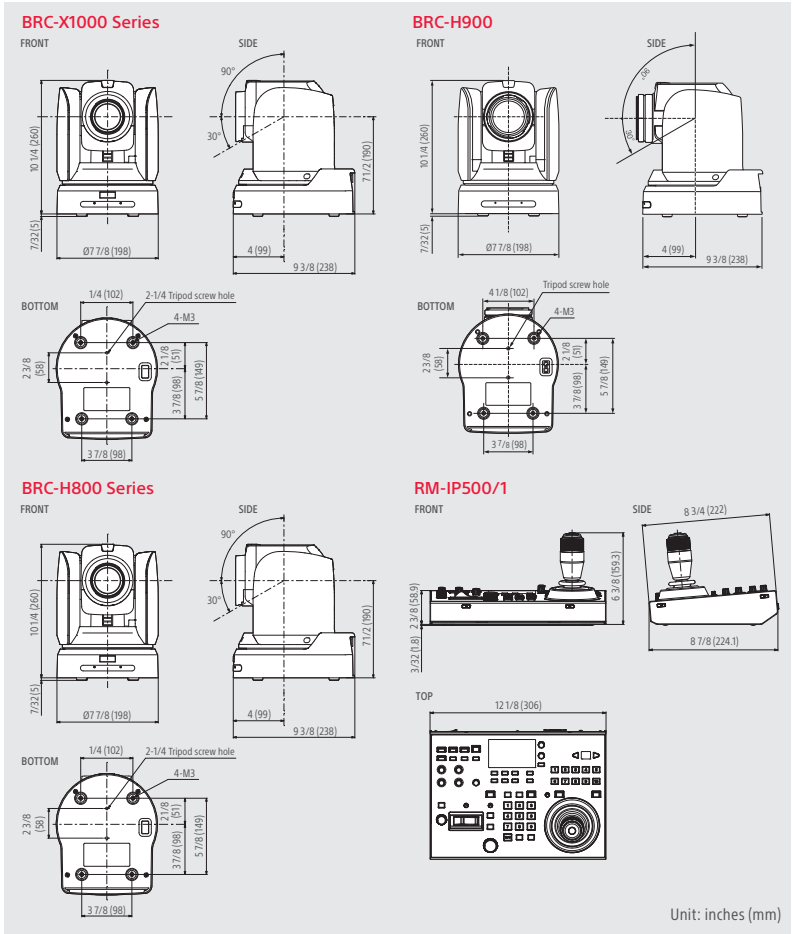
KT-WPM2
Wall/Pole Mount Kit***

KTSONY38042ST
Fiber Conversion Kit
(two BNC connectors version)**

KTSONY38044ST
Fiber Conversion Kit
(four BNC connectors version)**

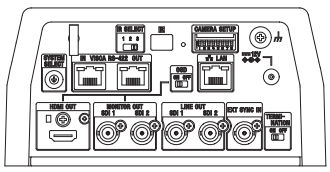
* For BRC-H900
** For BRC-X1000/H800/H900
*** For BRZ-12CDH dome

Dimensions

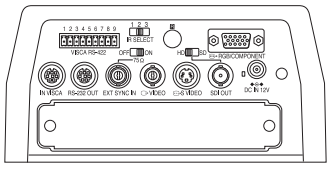


Rear Panels

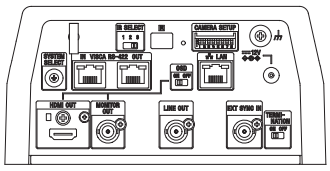
BRC-X1000 Series



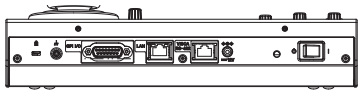
BRC-H900



BRC-H800 Series



RM-IP500/1



Network Camera Line up by Application

Broadcast Studios

Auditoriums, Assembly Halls

Worship and Event Spaces

Network Broadcasting

Education

Corporate

Training/Operating Rooms

Remote Patient Monitoring

Videoconferencing, Huddle Space

Broadcasting & High-End Production | Live Streaming, Production, Image Recording, Healthcare | Remote Monitoring/Acquisition | Visual Communications

Model	BRC-X1000/1, BRC-X1000/WPW	BRC-H900	BRC-H800/1, BRC-H800/WPW	BRC-X400	SRG-X400	SRG-360SHE	SRG-300SE	SRG-300H / SRG-300H/W	SRG-X120	SRG-120DH / SRG-120DS / SRG-120DU
Interface	3G-SDI, HDMI	HD-SDI ***	3G-SDI, HDMI	3G-SDI, HDMI, IP	3G-SDI, HDMI, IP	3G-SDI, HDMI, IP	3G-SDI, IP	HDMI	3G-SDI, HDMI, IP	HDMI, 3G-SDI, USB
Sensor	1.0-type Exmor R CMOS sensor	1/2-type Exmor CMOS 3x sensor	1.0-type Exmor R CMOS sensor	1/2.5 type Exmor R CMOS	1/2.5 type Exmor R CMOS	1/2.8-type Exmor CMOS	1/2.8-type Exmor CMOS	1/2.8-type Exmor CMOS	1/2.5 type Exmor R CMOS	1/2.8-type Exmor CMOS
Signal Format	2160/29.97p, 25p, 23.98p 1080/59.94p, 59.94i, 50p, 50i, 23.98p 720/59.94p, 50p	1080/59.94i 50i 720/59.94p, 50p NTSC, PAL	1080/59.94p, 59.94i, 50p, 50i, 23.98p 720/59.94p, 50p	2160/29.97p, 25p, 23.98p (HDMI and IP only), 1080/59.94p, 50p, 29.97p, 25p, 23.98p 1080/59.94i, 50i 720/59.94p, 50p	2160/29.97p, 25p, 23.98p (HDMI and IP only), 1080/59.94p, 50p, 29.97p, 25p, 23.98p 1080/59.94i, 50i 720/59.94p, 50p	1080/59.94p, 59.94i, 50p, 50i, 29.97p, 25p 720/59.94p, 50p, 29.97p, 25p	1080/59.94p, 59.94i, 50p, 50i, 29.97p, 25p 720/59.94p, 50p, 29.97p, 25p	1080/59.94p, 59.94i, 50p, 50i, 29.97p, 25p 720/59.94p, 50p, 29.97p, 25p	2160*1/29.97p, 25p, 23.98p (HDMI and IP only), 1080/59.94p, 50p, 29.97p, 25p, 23.98p 1080/59.94i, 50i 720/59.94p, 50p	1080/59.94p, 59.94i, 50p, 50i, 29.97p, 25p 720/59.94p, 50p, 29.97p, 25p
NDI®|HX*	No	No	No	Yes (Optional) *2	Yes (Optional)*2	No	No	No	Yes (Optional)*2	No
Zoom	Optical 12x Max. 18x at 4K*2 Max. 48x at FHD*3	14x	Optical 12x Max. 48x at FHD*1	20x optical / 30x (4K with CIZ) / 40x (HD with CIZ), Max.80x (HD with CIZ and Tele Convert Mode)	20x optical 30x (4K with CIZ) / 40x (HD with CIZ)	Optical 30x Max. 360x *1	Optical 30x Max. 360x *1	Optical 30x Max. 360x *1	12x (4K/HD)	Optical 12x Max. 144x*1
Pan/Tilt Speed	Pan: 0.3° to 60°/s Tilt: 0.3° to 60°/s	Pan: 0.22° to 60° /s Tilt: 0.22° to 60° /s	Pan: 0.3° to 60°/s Tilt: 0.3° to 60°/s	Pan: Max. 300°/sec Tilt: Max. 126°/sec	Pan: Max. 300°/sec Tilt: Max. 126°/sec	Pan: Max. 60°/s Tilt: Max. 60°/s	Pan: Max. 100°/s Tilt: Max. 90°/s	Pan: Max. 100°/s Tilt: Max. 90°/s	Pan: Max. 300°/sec Tilt: Max. 126°/sec	Pan: Max. 300°/s Tilt: Max. 126°/s
Horizontal Viewing Angle	Approx. 64.6 degree (Wide)	Approx. 59.6 degree (Wide)	Approx. 64.6 degree (Wide)	Approx. 70.0 degree(Wide)	Approx. 70.0 degree(Wide)	Approx. 65 degree (Wide)	Approx. 65 degree (Wide)	Approx. 65 degree (Wide)	Approx. 70.0 degree (Wide)	Approx. 71 degrees (Wide)
Preset Position	100	16	100	256 (CGI), 100 (VISCA)	256 (CGI), 100 (VISCA)	256 (CGI), 16 (VISCA)	256 (CGI), 16 (VISCA)	16	256 (CGI), 100 (VISCA)	16
Wide Dynamic Range	No	No	No	No	No	Yes (View DR technology)	Yes (View DR technology)	Yes (View DR technology)	No	Yes (View DR technology)
Picture Adjustment	Gamma/Knee/Detail/Black gamma/ Color matrix	Gamma/Knee/Detail/ Black gamma/Color matrix	Gamma/Knee/Detail/Black gamma/ Color matrix	Gamma/Knee/Black Gamma/Color Matrix	No	No	No	No	No	No
Audio input	N/A	N/A	N/A	Yes (2ch)	Yes (2ch)	Yes (2ch)	Yes	N/A	Yes (2ch)	N/A
Genlock	Yes	Yes	Yes	Yes	No	No	No	No	No	No
Power	DC12 V, PoE+	DC10.8V to 13.2V	DC12 V, PoE+	DC 12 V, PoE+	DC 12 V, PoE+	DC12 V, PoE+	DC12 V	DC12 V	DC 12 V, PoE+	DC12 V
Control	RS-422 (VISCA)/RJ-45 (VISCA over IP)	RS-422, RS-232C IP Control Optional**	RS-422 (VISCA)/RJ-45 (VISCA over IP)	RS-422 (VISCA)/RJ-45 (VISCA over IP)	RS-422 (VISCA)/RJ-45 (VISCA over IP)	RS-422 (VISCA)/ RJ-45 (VISCA over IP)	RS-422 (VISCA)/ RJ-45 (VISCA over IP)	RS-232C, RS-422 (VISCA)/ RJ-45 (VISCA over IP)	RS-422 (VISCA)/RJ-45 (VISCA over IP)	RS-232C (VISCA)/RJ-45 (VISCA over IP)
Ceiling Mount	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Remark	*1 with Dual link 3G-SDI (2SI only) for 4K video output *2 with 1.5x Clear Image Zoom *3 with 2x Clear Image Zoom and 2x Tele Convert Mode	** IP control optional w/ BRBK-IP10 Board *** Component (Y/Pb/Pr) RGB	*1 with 2x Clear Image Zoom and 2x Tele Convert Mode	*2 Optional downloadable NDI license required.	*2 Optional downloadable NDI license required. Available with optional 4K upgrade license.	*1 with 12x Digital Zoom	*1 with 12x Digital Zoom	*1 with 12x Digital Zoom	*2 Optional downloadable NDI license required. Available with optional 4K upgrade license.	*1 with 12x Digital Zoom SRG-120DH (HDMI) SRG-120DS (3G-SDI) SRG-120DU (USB)

* BRC-X1000/1: Black Color BRC-X1000/WPW: White Color BRC-H800/1: Black Color BRC-H800/WPW: White Color BRC-X400: Black Color BRC-X400/W: White SRG-X400: Black Color SRG-X400/W: White Color SRG-X120: Black Color SRG-X120/W: White Color

Specifications

	BRC-X1000/1 (black) BRC-X1000/WPW (white)	BRC-H900	BRC-H800/1 (black) BRC-H800/WPW (white)	SRG-360SHE	SRG-300SE (black) SRG-300SE/W (white) SRG-300H (black) SRG-300H/W (white	SRG-120DH SRG-120DS SRG-120DU
General						
Power Requirements	DC 10.8V to 13.2V, PoE+ (IEEE802.3at compliant)	DC10.8V to 13.2V	DC 10.8V to 13.2V, PoE+ (IEEE802.3at compliant)	DC 12V (DC 10.8 V to 13.2V)	DC 12V (DC 10.8 V to 13.2V)	DC 12V (DC 10.8 V to 13.2V)
Power Consumption	DC12 V.21.5 W (max), PoE+ 25.5 W (max)	Max 28.8 W (without optional cards)	DC12 V.19.0W (max), PoE+ 23.0 W (max)	Max. 30 W	16.8 W	16.8 W
Dimensions (W x H x D)	Approx. 7 7/8 x 10 ¼ x 9 3/8 inches Approx.198 x 260 x 238 mm (without projecting object)	Approx. 7 7/8 x 10 1/4 x 9 3/8 inches Approx. 198 x 260 x 238 mm (without projecting object)	Approx. 7 7/8 x 10 ¼ x 9 3/8 inches Approx.198 x 260 x 238 mm (without projecting object)	6 3/8 x 7 ½ x 8 inches 159 x 187.5 x 200.5 mm	6 ¼ x 6 ½ x 6 ½ inches 157 x 164 x 163 mm	6 1/8 x 6 ¼ x 6 1/8 inches 153 x156 x 153 mm
Weight	Approx. 9 lb, 7.7 oz Approx. 4.3 kg	Approx. 11 lb 0.37oz Approx. 5.0 kg	Approx. 9 lb, 7.7 oz Approx. 4.3 kg	Approx. 4 lb 10 oz Approx 2.1 kg	Approx. 3 lb 3.1 oz Approx. 1.45kg	Approx. 3 lb 3.1 oz Approx. 1.45kg
PoE+	Yes	No	Yes		No	
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)					
Storage Temperature	-4 °F to +140 °F (-20 °C to +60 °C)					
Ceiling Mount	Yes					No
Supplied Accessories	IR Remote Commander (1), AC power adaptor (1), AC power cable (1), Ceiling bracket (1), wire rope (1), HDMI cable fixing plate (1), Screw M3 x 8 (7), Screw M4 x 8 (1)	IR Remote Commander Unit (1), AC Power adaptor (1), AC power cord (1), Ceiling bracket (2), RS-422 connector plug (1), Ceiling bracket (2), Wire rope (1), Screws (M3 x 8) (7), Screws (M4 x 8) (1), Operating instructions (1)	IR Remote Commander (1), AC power adaptor (1), AC power cable (1), Ceiling bracket (1), wire rope (1), HDMI cable fixing plate (1), Screw M3 x 8 (7), Screw M4 x 8 (1)	IR Remote Commander (1), AC power adaptor (1), AC power cable (1), Ceiling bracket (1), wire rope (1), HDMI cable retainer (1), Screw M3 x 8 (9), Screw M2 6 x 6 (1)	AC power adaptor (1), AC power cable (1), Ceiling bracket (2), wire rope (1), RS-422 connector plug (1), Screw M3 x 8 (8) SRG-300H Series: IR Remote Commander (1), AC power adaptor (1), AC power cable (1), Ceiling bracket (2), wire rope (1), RS-422 connector plug (1), Screw M3 x 8 (8)	IR Remote Commander (1), AC power adaptor (1), AC power cable (1)

	BRC-X400 / BRC-X400/W
General	
Model Name	BRC-X400 / BRC-X400/W
Video Output	3G-SDI/HDMI/IP streaming (4K output only via HDMI and IP)
Zoom Ratio (CIZ=Clear Image Zoom)	30x (4K with CIZ)/40x (HD with CIZ), (Digital 12x)
Image Sensor	1/2.5 Exmor R CMOS
Minimum Illumination (50IRE)	1.6 lux (50IRE, F2.0 30fps)
Signal System (Max)	3840 x 2160 29.97p/1080 59.94p
Horizontal Viewing Angle (Wide)	Approx. 70 degrees
Pan/Tilt Range	P : ±170 T: +90, -20
Max Preset Speed [deg/s]	300°/sec (Pan), 126°/sec (Tilt)
Number of Preset	256 (CGI)
Picture Freeze Preset	Yes
Body Color	Black and White
Control Interface	VISCA, VISCA over IP, S700PTP, CGI
PoE+	Yes (IEEE802.3at compatible)
Audio	2ch
IP Streaming	Yes
External Sync In	Yes
AC adapter	DC12V
Tally Lamp	Yes (front)
Option	NDI®|HX

	SRG-400 / SRG-X400/W	SRG-X120 / SRG-X120/W
General		
Model Name	SRG-X400 / SRG-X400/W	SRG-X120 / SRG-X120/W
Video Output	3G-SDI/HDMI/IP streaming (4K output only via HDMI and IP)	
Zoom Ratio (CIZ=Clear Image Zoom)	30x (4K with CIZ)/40x (HD with CIZ), (Digital 12x)	12x (4K/HD), (Digital 12x)
Image Sensor	1/2.5 Exmor R CMOS	
Minimum Illumination (50IRE)	1.6 lux (50IRE, F2.0 30fps)	
Signal System (Max)	3840 x 2160 29.97p(optional license)/1080 59.94p	
Horizontal Viewing Angle (Wide)	Approx. 70 degrees	
Pan/Tilt Range	P : ±170 T: +90, -20	
Max Preset Speed [deg/s]	300°/sec (Pan), 126°/sec (Tilt)	
Number of Preset	256 (CGI)	
Picture Freeze Preset	Yes	
Body Color	Black and White	
Control Interface	VISCA, VISCA over IP, CGI	
PoE+	Yes (IEEE802.3at compatible)	
Audio	2ch	
IP Streaming	Yes	
External Sync In	No	
AC adapter	DC12V	
Tally Lamp	No	
Option	4K upgrade, NDI®|HX (4K Upgrade planned in early 2020)	

	BRZ-12CDH
General	
Dimensions	17 3/8 x 21 x 27.5 in (441.3 x 533.4 x 689.5 mm)
Weight	52 lbs. (23.58kg)
Optical Dome	Clear Cell Cast Acrylic
Input Power	90 ~ 305VAC, 47 ~ 63HZ, 2.5A/115VAC 1.3A/230VAC 1.1A/277VAC
Construction	Aluminum Alloy outer shell, Acrylic / PMMA bubble

	RM-IP500/1
Input/output connectors	
Control input/output	VISCA RS-422 : RJ-45 x 1 GPI I/O (Tally In/Contact Out) : D-Sub 15-pin (female) LAN : RJ-45 x 1, 10BASE-T/100BASE-TX automatically detected
Control signal format	9,600 bps/38,400 bps (for RS-422 communication) VISCA over IP communication
Power connector	JEITA type 4 (DC IN 12 V)
General	
Input voltage	12V DC (10.8 to 13.2V DC)
Current consumption	0.2A typ. (2.4 W)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Dimensions (W x H x D)	12 1/8 x 6 3/8 inches x 8 7/8 inches (306 mm x 159.3 mm x 224.1 mm) (excluding protrusions)
Weight	Approx. 5 lb 4.7 oz (Approx. 2.4 Kg)
Supplied Accessories	None. (Power Supply : Separate Option, Manual : Downloadable from Web site)

Fiber Conversion Kits

KTSONY38042ST

Fiber Conversion Kit for BRC-X1000 and BRC-H800 series.
Kit includes the transmitter(for two BNC Connectors)
and receivers, Receiver has a single BNC connector,
an RJ45, two BNC connectors and a single ST
connector for fiber link.

KTSONY38044ST

Fiber Conversion Kit for BRC-X1000 and BRC-H800 series.
Kit includes the transmitter (for two BNC Connectors)
and receivers, Receiver has a single BNC connector,
an RJ45, four BNC connectors and a single ST
connector for fiber link.

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Sony Electronics Inc.
115 West Century Road, Suite 250
Paramus, NJ 07652
pro.sony/PTZ

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