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
- PTZ Auto Tracking.

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

BRC-X1000 Series

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-H800 Series

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.

**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.

**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 Remote Cameras

BRC-X400 Series

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.

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

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 Cameras

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 Streaming 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)

<table>
<thead>
<tr>
<th>Model</th>
<th>NDI®/HX compatible*</th>
<th>FHD / 4K ** Video Option</th>
<th>3G-SDI</th>
<th>HDMI</th>
<th>IP Stream</th>
<th>IP Control</th>
<th>USB 3.0</th>
<th>Audio</th>
<th>Viewing Angle</th>
<th>Ceiling/Desk Mountable</th>
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<td>65°</td>
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<td>71°</td>
<td>No/Yes</td>
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</table>

* Optional NDI license available from Newtek.  ** 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.

Versatility 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

**Optional Accessories**

- **BRBK-IP10**
  - IP Control Card
  - For BRC-H900
- **BRBK-HSD2**
  - HD/SD-SDI Output Card
  - For BRC-X1000/H800/H900
- **BRU-SF10**
  - HD Optical Multiplex Unit
  - Supports Single-mode optical fiber
- **BRZ-12CDH**
  - Environmental Dome Housing
  - For BRZ-12CDH dome
- **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)
- **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 PTZ for smooth, accurate camera movements

**Dimensions**

- **BRC-X1000 Series**
- **BRC-H900**
- **BRC-H800 Series**
- **RM-IP500/1**

**Rear Panels**

- **BRC-X1000 Series**
- **BRC-H900**
- **BRC-H800 Series**
- **RM-IP500/1**

**Additional Features**

- 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)
- Paint control for Sony remote camera and system camera
- IRIS/Master Pedestal Control with joystick
- Ethernet cable operation
- Command conversion between BRC-H900 and RCP-1500/1530
- Option soft HZC-BRCN1 is required.

**Unit:** inches (mm)
**Network Camera Line up by Application**

**Broadcast Studios**
- BRC-X1000/1: Black Color
- BRC-X1000/WPW: White Color
- BRC-H800/1: Black Color
- BRC-H800/WPW: White Color

**Auditoriums, Assembly Halls**
- SRG-X400: Black Color
- SRG-X400/W: White Color
- SRG-X120: Black Color
- SRG-X120/W: White Color

**Worship and Event Spaces**
- **4K**

**Broadcasting & High-End Production**
- 720/59.94p, 50p

**Live Streaming, Production, Image Recording, Healthcare**
- 1080/59.94p, 59.94i, 50p, 50i, 23.98p

**Corporate**
- 2160/29.97p, 25p, 23.98p

**Training/Operating Rooms**
- 1080/59.94p, 59.94i, 50p, 50i, 29.97p, 25p

**Remote Patient Monitoring**
- 2160/29.97p, 25p, 23.98p

**Visual Communications**
- 1080/59.94p, 59.94i, 50p, 50i, 29.97p, 25p

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

**Interface**
- 1/2.8-type Exmor R CMOS sensor
- **Power**: DC12 V, PoE+

**Sensor**
- **Optical Zoom**: 30x (4K with CIZ) / 30x (4K with CIZ) / 30x (4K with CIZ) / 30x (4K with CIZ)
- **Max. Horizontal Viewing Angle**: 64.6° (Wide) / 59.6° (Wide) / 64.6° (Wide) / 70.0° (Wide)
- **Max. Vertical Viewing Angle**: 65° (Wide) / 65° (Wide) / 65° (Wide) / 71° (Wide)
- **Color Matrix**
- **Gamma/Knee/Detail/Black Gamma/Color Matrix**
- **IP Control Optional**

**Pan/Tilt Speed**
- Max. 300°/sec
- Max. 126°/sec
- Max. 360°
- Max. 80x

**Zoom**
- 20x optical
- 12x optical
- 6x optical
- 3x optical

**Pre-set Position**
- 8

**Wide Dynamic Range**
- 16

**Picture Adjustment**
- Gamma/Detail/Black gamma/Color matrix
- Gamma/Detail/Black gamma/Color matrix
- Gamma/Detail/Black gamma/Color matrix
- Gamma/Detail/Black gamma/Color matrix

**Audio Input**
- N/A
- N/A
- N/A
- N/A

**Genlock**
- Yes
- Yes
- Yes
- Yes

**Power**
- DC12 V (+50%)
- DC12 V (+50%)
- DC12 V (+50%)
- DC12 V (+50%)

**Control**
- RS-422
- RS-422
- RS-422
- RS-422

**Ceiling Mount**
- Yes
- Yes
- Yes
- Yes

**Remark**
- **1**: with Dual lens 3G-SDI (24 only)
- **2**: with Clear Image Zoom
- **3**: with Clear Image Zoom
- **4**: with 12x Digital Zoom
- **5**: with 12x Digital Zoom
- **6**: with 12x Digital Zoom

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* ND**1:** (HX)**2:**

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BRC-X1000/1 (black)  
BRC-X1000/1P (white)  

**Specifications**

**General**

- **Model Name**: BRC-X1000/1
- **Video Output**: 3G-SDI, HDMI 4K streaming (4K output only via HDMI)
- **Lens**
- **max. Power Consumption**: 30W
- **Weight**: Approx. 9 lb 7.7 oz

**Input/output connectors**

- **Power Input**: 12V DC (10.8 to 13.2V DC)
- **Power Supply**: Separated Option
- **RS-232**
- **LAN**: RJ-45 x 1, 10BASE-T/100BASE-TX automatically detected
- **Audio Input**: 8ch
- **Audio Output**: 2ch

**Optional Accessories**

- IR Remote Commander (1), AC power cable (1), Ceiling bracket (1), Wire rope (1), Operation Instructions (1)

**Fiber Conversion Kits**

**KTSONY38042ST**

Fiber Conversion Kit for BRC-X1000 and BRC-H800 series.

**KTSONY38044ST**

Fiber Conversion Kit for BRC-X1000 and BRC-H800 series.

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