SONY

SONY

Network Cameras

Why Sony?

Sony is a major professional in the world of imaging technology

and a market leader across both consumer and professional applications. As a leading global manufacturer for professional users, Sony offers superlative moviemaking and broadcasting technology; providing a wide range of cameras across many different applications within the medical, corporate, education and government sectors.
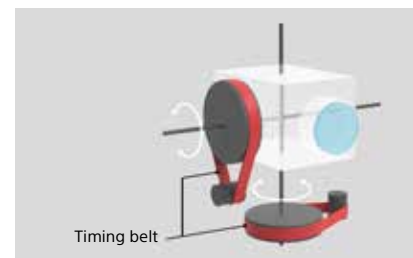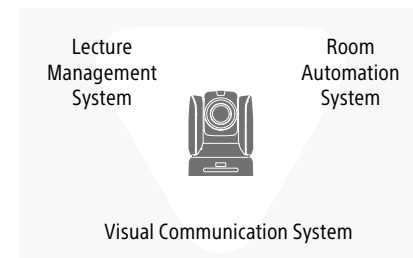
Optimal Imaging Quality for Any Situation

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 colour 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.

Lens Optics · Image Sensor · Image Processor · Imaging Technology

Professional Application

Lecture Management System · Room Automation System · Visual Communication System

Timing belt

System compatibility
Sony has developed close ties with numerous partnering vendors – enabling excellent compatibility with peripheral devices. NDI®|HX compatibility* supports efficient IP-based live production, allowing flexible configuration.
* BRC-X400/SRG-X400/SRG-X120, via optional license

NDI®|HX

Precision
Exceptional performance is provided thanks to advanced technical know-how gained in the professional arena: 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, as desired by professional users.

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.

Network Camera Line-up

	BRC-X1000	BRC-H900	BRC-H800	NEW BRC-X400	NEW SRG-X400	SRG-360SHE	SRG-300SE	SRG-300H	NEW SRG-X120	SRG-120DS/SRG-120DH/SRG-120DU
Applications	Broadcast Studios	Auditoriums, Assembly Halls	House of Worship & Event Spaces	Easy Productions	Lesson Capturing	Operating Rooms		Remote Learning		Meeting Rooms
Interface	3G-SDI x2*1, HDMI	HD/SD-SDI, Composite, RGB/Component, S Video	3G-SDI, HDMI	3G-SDI, HDMI, IP	3G-SDI, HDMI, IP	3G-SDI, HDMI, IP	3G-SDI, IP	HDMI	3G-SDI, HDMI, IP	3G-SDI (SRG-120DS), HDMI (SRG-120DH), USB (SRG-120DU)
Sensor	1.0-type Exmor R™ CMOS sensor	1/2-type Exmor™ 3CMOS	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	60 Hz: 1080/59.94i, 720/59.94P, NTSC , 50 Hz: 1080/50i, 720/50P, 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*²/29.97p, 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*²/29.97p, 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*	-	-	-	Yes (Optional)	Yes (Optional)	-	-	-	Yes (Optional)	-
Zoom	Optical Zoom: 12x With Clear Image Zoom (4K): 18x With Clear Image Zoom (HD): 24x With Clear Image Zoom (HD + Tele Convert Mode): Max. 48x	Optical Zoom: 14x	Optical Zoom: 12x With Clear Image Zoom (HD): 24x With Clear Image Zoom (HD + Tele Convert Mode): Max. 48x	Optical Zoom: 20x Digital Zoom: 12x With Clear Image Zoom (4K): 30x With Clear Image Zoom (HD): 40x With Clear Image Zoom (HD + Tele Convert Mode): Max. 80x	Optical Zoom: 20x Digital Zoom: 12x With Clear Image Zoom (4K): 30x With Clear Image Zoom (HD): 40x	Optical Zoom: 30x Digital Zoom: 12x	Optical Zoom: 30x Digital Zoom: 12x	Optical Zoom: 30x Digital Zoom: 12x	Optical Zoom: 12x	Optical Zoom: 12x Digital Zoom: 12x
Pan/Tilt Speed	Pan: Max. 0.3°/sec Tilt: Max. 60°/sec	Pan: Max. 0.3°/sec Tilt: Max. 60°/sec	Pan: Max. 0.3°/sec Tilt: Max. 60°/sec	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						Yes (View DR technology)	Yes (View DR technology)	Yes (View DR technology)		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	-	-	-	-	-	-
Audio input	-	-	-	Yes (2ch)	Yes (2ch)	Yes (2ch)	Yes	-	Yes (2ch)	-
Genlock	Yes	Yes	Yes	Yes	-	-	-	-	-	-
Power	DC12 V, PoE+	DC 12 V	DC12 V, PoE+	DC 12 V, PoE+	DC 12 V, PoE+	DC12 V, PoE+	DC12 V	DC 12 V	DC 12 V, PoE+	DC 12 V
Control	RS-422 (VISCA)/ RJ-45 (VISCA over IP)	RS-232C, RS-422 (VISCA)/ RJ-45 (VISCA over IP (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

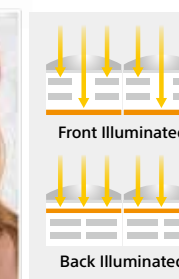*NDI® is a registered trademark of NewTek, Inc.   *1 with Dual link 3G-SDI (2SI only) for 4K video output   *2 Available when 4K Option is attached   *3 Not applicable for SRG-120DU

BRC-X400 | SRG-X400 | SRG-X120

4K Exmor R™

Remote Viewing*4
RTSP (Real Time Streaming Protocol) and RTMP**(Real Time Messaging Protocol) are supported

High Quality and Fine Detail

Breathtaking 4K quality
Sony's back-illuminated one-inch image sensor, unique digital image processor and reliable Zeiss lens enable you to shoot high-sensitivity 4K 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

Front Illuminated · Back Illuminated

Picture Freeze Preset Function
Maintaining a steady image while the camera moves to a new preset position, with no uncomfortable transitions for audience

Fast Movement During Preset
Preset recall allows high-speed pan-tilt movement (300°/sec pan, 126°/sec tilt) from one camera to another for quick transition

Scene File Function*4
Newly available 'scene file' function* can apply the same menu from one camera to other cameras for fast set-up

	BRC-X400	SRG-X400	SRG-X120
4K Exmor R™	•	•	•
Powerful zoom, wide shooting angle	•	•	•
NDI®|HX capability	•	•	•
Single network cable	•	•	•
Remote viewing	•	•	•
Triple Monitor Interface (3G-SDI/HDMI/IP)	•	•	•
Picture Freeze Preset function	•	•	•
PTZ Sync*4 function	•	•	
Genlock support and tally lamp	•		
Multiple camera control protocols	•		
Scene file function*4	•		

*By future upgrade planned in early 2020