Introducing
BRC-X400
SRG-X400/SRG-X120

Sony's first IP 4K PTZ camera, with NDI® | HX capability and excellent picture quality delivered by superb Exmor R CMOS sensor.

We've Got Your Scene Covered

Suitable for a range of applications(BRC-X400)

Church/Houses of worship

Broadcast studios

Live Shows/ Exhibitions

Event halls

Live Sports events

From broadcast studios and remote on-air suites, to live sports events, arenas, houses of worship and lecture halls, the BRC range can meet your needs, wherever you are.

We've Got Your Scene Covered

Suitable for a range of applications(SRG-X400/X120)

Churches/
Houses of worship

Corporate

Education

Government

Medical

From small churches and houses of worship, to government, medical, education and corporate use, the SRG range can meet your needs, wherever you are.
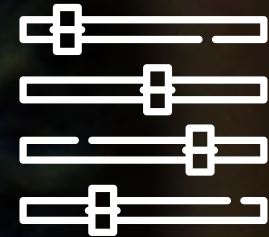
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Key Features

Excellent picture quality shooting

Flexible and efficient IP-based live production

Easy system configuration and operation

We've Got Your Scene Covered

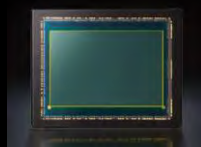# Excellent picture quality shooting

4K Exmor R

BRC X400 · SRG X400 · SRG X120
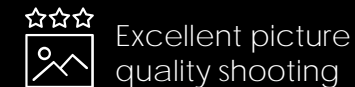
High sensitivity, less noise, natural color reproduction by newly developed 4K Exmor R image sensor. High resolution 4K lens
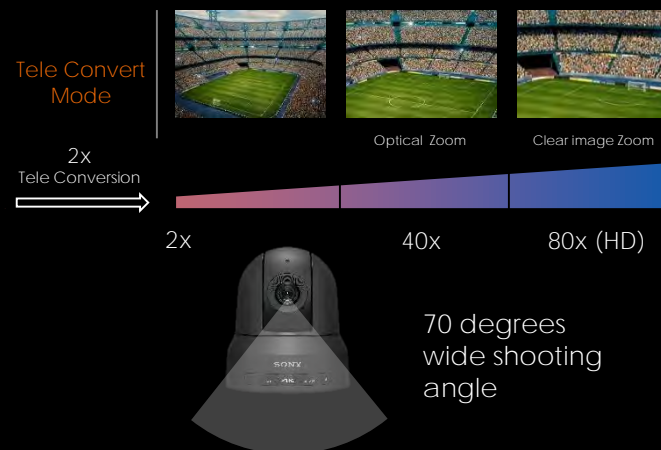
1/2.5 type sensor

Exmor R

Front-illuminated

Light
Metal Wiring
Photo Diode

Move up Light Receiving Surface

Back-illuminated

Light Photo Diode

Metal Wirings

Powerful zoom, wide shooting angle

BRC X400 · SRG X400 · SRG X120

Zoom capability up to 80x* in FHD / 30x** in 4K with 70 degrees wide shooting angle

Tele Convert x Clear Image Zoom

Tele Convert Mode

Optical Zoom

Clear image Zoom

2x Tele Conversion

2x   40x   80x (HD)

70 degrees wide shooting angle

High resolution

BRC X400 · SRG X400 · SRG X120

Horizontal resolution 1700 TV line (4K)*** to capture details of the image. By oversampling effect of 4K video, 1000 or higher TV line in FHD

1700 TV line (4K)

1000 or higher TV line (HD)

***For SRG-X400/X120, available with optional license by future upgrade planned in early 2020

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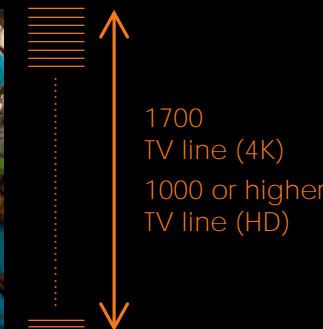
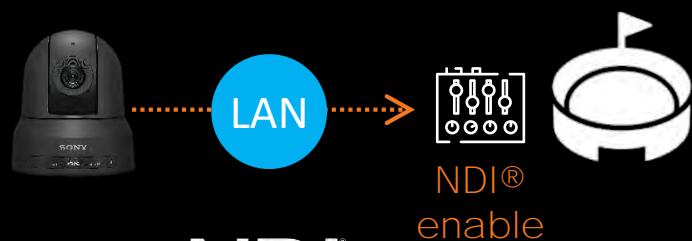*80x in FHD is only available with BRC-X400
**30x in 4K is only avairable with BRC-X400 and SRG-X400(optional license)

Flexible and efficient IP-based live production

| BRC X400 | SRG X400 | SRG X120 |

NDI®|HX capability

NDI®|HX* capability for flexible live production system combining with other NDI®-enabled devices on the network

LAN

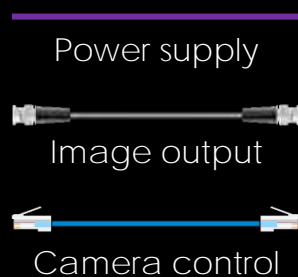NDI® enable

NDI

NDI®|HX option license

*NDI® is a registered trademark of NewTek, Inc.

| BRC X400 | SRG X400 | SRG X120 |

Single network cable

Power supply, image output, camera control, all enabled by a single network cable

Conventional   IP-based

Power supply

Image output

Power supply
Image output
Camera control

Camera control
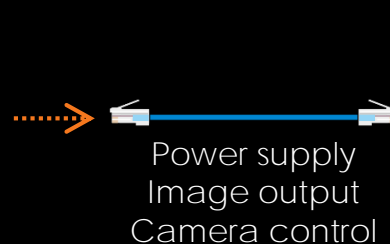
| BRC X400 | SRG X400 | SRG X120 |

Remote viewing

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

3G-SDI

Recorder

Remote site

RTSP   LAN

PC

Shooting site

Line input

**By future upgrade planned in early 2020

We've Got Your Scene Covered

Easy system configuration and operation

Genlock support and tally lamp

BRC X400

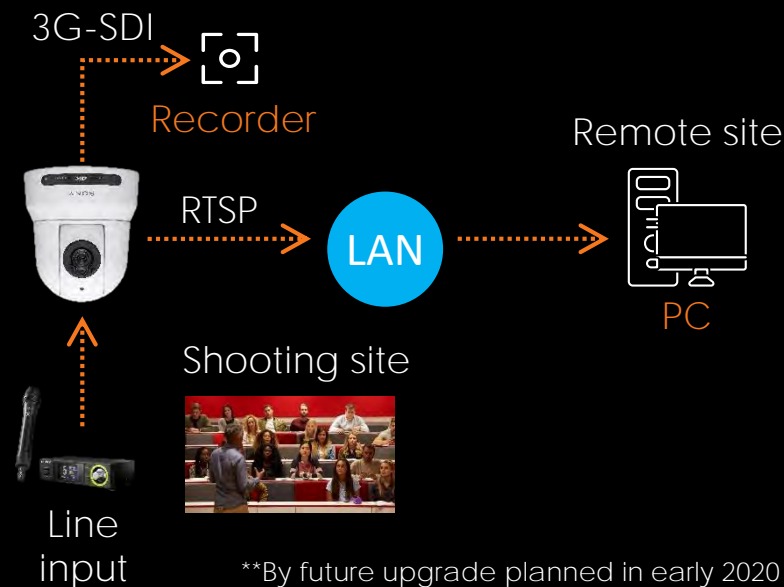Genlock support and tally lamp enable smooth camera switching in live events and reality shows

sync

Multiple camera control protocols

BRC X400

Supporting multiple camera control protocols

e.g. 700PTP Protocol, CGI, VISCA

Fine paint Control

RCP/MSU

Remote Camera Control

RM-IP500/RM-IP10

Scene file

BRC X400

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

Setting data

Setting data

*By future upgrade planned in early 2020

We've Got Your Scene Covered

Easy system configuration and operation

Easy system configuration and operation
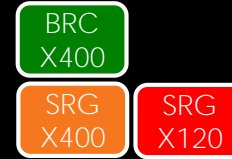
Fast movement during preset

BRC X400 | SRG X400 | SRG X120

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

Start

Preset

Conventional : Max 100° /sec
New : Max 300° /sec

Picture Freeze Preset function

BRC X400 | SRG X400 | SRG X120

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

Preset1
Preset2
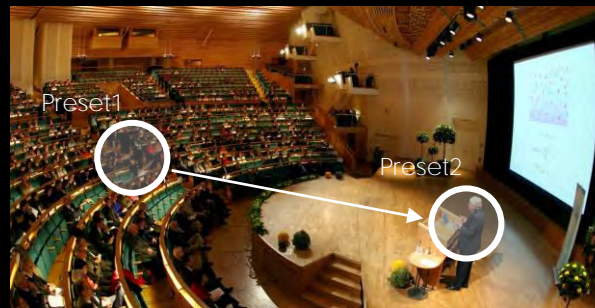
Conventional

New

PTZ Sync* function

BRC X400 | SRG X400 | SRG X120

Smoothly blends separate pan, tilt and zoom movements for seamless, professional-looking transitions

Conventional   PTZ Sync

Pan/Tilt

Zoom

Pan/Tilt /Zoom
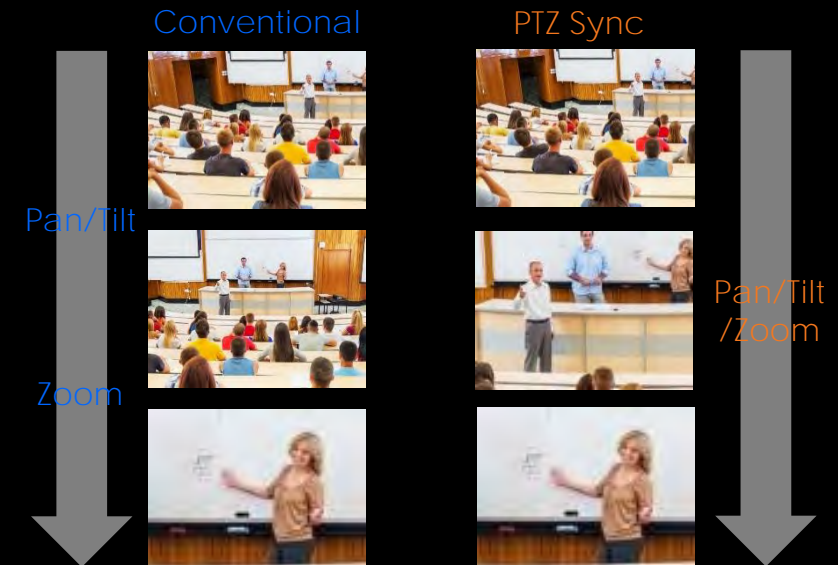
*By future upgrade planned in early 2020

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Model Information

Specifications(BRC-X400)

Model Name	BRC-X400
Video Output	3G-SDI/HDMI/IP streaming (4K output only via HDMI and IP)
Zoom Ratio	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

FRONT

REAR

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Specifications(SRG-X400/X120)

Model Name	SRG-X400	SRG-X120
Video Output	3G-SDI/HDMI/IP streaming (4K output only via HDMI and IP)	
Zoom Ratio	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	

FRONT

REAR

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Appendix

SONY

Comparison Chart(BRC-X400)

	BRC-X400	BRC-X1000	BRC-H800	BRC-H900	SRG-360SHE
Image Sensor	1/2.5-type back-illuminated Exmor R CMOS sensor	1.0-type back-illuminated Exmor R CMOS sensor	1.0-type back-illuminated Exmor R CMOS sensor	1/2-type Exmor CMOS sensor x3	1/2.8-type Exmor CMOS sensor
Minimum Illumination	1.6 lux	1.7 lux	1.7 lux	4 lux	1.4 lux
Zoom Ratio	30x (4K) or 40x (FHD) w/CIZ	18x (4K) or 24x (FHD) w/CIZ	24x (FHD) w/CIZ	14x	30x
Tele Convert	Yes	Yes	Yes	--	--
Video Output	3G-SDI x 1, HDMI x 1, IP x 1	3G-SDI x 4, HDMI x 1	3G-SDI x 2, HDMI x 1	HD/SD-SDI x 1, RGB/Component, Video, S-Video,	3G-SDI x 1, HDMI x 1, IP x 1
Max Resolution	2160 29.97p	2160 29.97p	1080 59.94p	1080 59.94i	1080 59.94p
Audio Input	2ch	--	--	--	2ch
Wide Angle	Approx. 70°	Approx. 64.6°	Approx. 64.6°	Approx. 59.6°	Approx. 65°
Max Pan speed	300 deg/sec	60 deg/sec	60 deg/sec	60 deg/sec	60 deg/sec
Integration	PoE+, RCP/MSU connectivity, Genlock, Tally lamp	PoE+, RCP/MSU connectivity, Genlock, Tally lamp	PoE+, RCP/MSU connectivity, Genlock, Tally lamp	Genlock, Tally lamp	PoE+, RCP/MSU connectivity, Tally lamp
Body Color	White, Black	White, Black	White, Black	Silver	White
NDI®|HX	Yes (Option)	--	--	--	--

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Comparison Chart(SRG-X400/X120)

	SRG-X400	SRG-360SHE	SRG-300H	SRG-X120	SRG-120DU
Image Sensor	1/2.5-type back-illuminated Exmor R CMOS sensor	1/2.8 type Exmor CMOS sensor	1/2.8 type Exmor CMOS sensor	1/2.5-type back-illuminated Exmor R CMOS sensor	1/2.8 type Exmor CMOS sensor
Minimum Illumination	1.6 lux	1.4 lux	1.4 lux	1.6 lux	1.8 lux
Zoom Ratio	30x (4K) or 40x (FHD) w/CIZ	30x	30x	12x (4K/FHD)	12x
Video Output	3G-SDI x 1, HDMI x 1, IP x 1	3G-SDI x 1, HDMI x 1, IP x 1	HDMI x 1,	3G-SDI x 1, HDMI x 1, IP x 1	USB x 1
Max Resolution	2160 29.97p	1080 59.94p	1080 59.94p	2160 29.97p	1080 59.94p
Audio Input	2ch	2ch	--	2ch	--
Wide Angle	Approx. 70°	Approx. 65°	Approx. 65°	Approx. 70°	Approx. 71°
Max Pan speed	300 deg/sec	60 deg/sec	100 deg/sec	300 deg/sec	300 deg/sec
Integration	PoE+	PoE+, RCP/MSU connectivity,	--	PoE+	--
Ceiling Mount	Yes	Yes	Yes	Yes	No
Body Color	White, Black	White	White, Black	White, Black	Silver
NDI®	HX	Yes (Option)	--	--	Yes (Option)	--
4K	Yes (Option)	--	--	Yes (Option)	--

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SONY

Thank You

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