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.

17-120

SONY

BACK
FOCUS MAG

DISPLAY

CineAlta

FPS Fixed 24
180.0

LOCK

CLIPS

17x
OPTICAL
ZOOM

ND
FILTER

MANUAL AUTO

MACRO

FOCUS

4K
XDCAM HD

SONY

ZEBRA

PEAKING

INPUT1

INPUT2

SONY
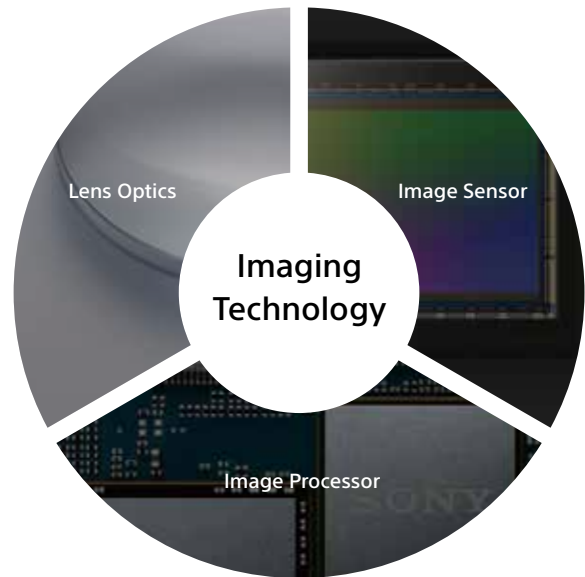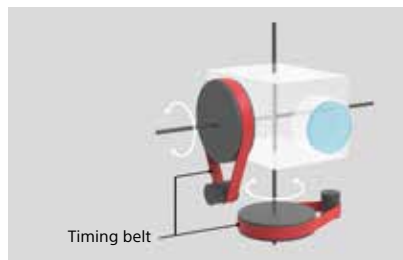
α
9

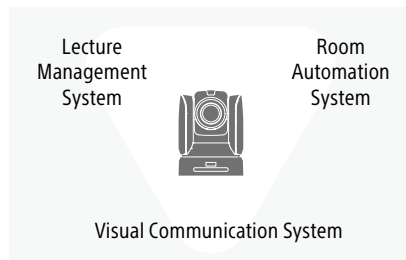SONY

RX0

SONY

4K

FOCUS

AF/MF

HANDYCAM

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

Imaging Technology

Image Processor

Professional Application

Lecture Management System

Room Automation System

Visual Communication System

Timing belt

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, allowing flexible configuration.

* BRC-X400/SRG-X400/SRG-X120/SRG-XB25/SRG-XP1, 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.

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 REA-C1000. AI-driven virtual cameraman features provide optimized camera angle.
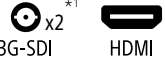
Find out more

REA-C1000

Network Camera Line up by Application

	Broadcast Studios	Healthcare	Auditoriums, Assembly Halls	Houses of Worship and Event Spaces	Reality
	High-End Presentation			Image Recording	Easy

	BRC-X1000	BRC-H900	BRC-H800	BRC-X400
Model	BRC-X1000	BRC-H900	BRC-H800	BRC-X400
Interface	3G-SDI x2 *¹, HDMI	HD/SD-SDI, Composite, RGB/Component, S Video	3G-SDI, HDMI	3G-SDI, HDMI, IP
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
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
Video Stream	-	-	-	RTSP/NDI®|HX*¹
Zoom	18x (4K with CIZ)/ 24x (HD with CIZ), Max. 48x (HD with CIZ and Tele Convert Mode)	14x	24x (with CIZ), Max. 48x (HD with CIZ and Tele Convert Mode)	30x (4K with CIZ)/ 40x (HD with CIZ), Max.80x (HD with CIZ and Tele Convert Mode)
Pan/Tilt Speed	0.02°/sec*² ~ 60°/sec	0.3°/sec ~ 60°/sec	0.02°/sec*¹ ~ 60°/sec	Max. Pan: 300°/sec Max. Tilt: 126°/sec
Horizontal Viewing Angle	Approx. 64.6 degree (Wide)	Approx. 59.6 degree (Wide)	Approx. 64.6 degree (Wide)	Approx. 70.0 degree (Wide)
Preset Position	100	16	100	256 (CGI), 100 (VISCA)
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)
Genlock	Yes	Yes	Yes	Yes
Power	DC12 V, PoE+	DC 12 V	DC12 V, PoE+	DC 12 V, PoE+
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)
Ceiling Mount	Yes	Yes	Yes	Yes
Remark	*1 with Dual link 3G-SDI (2SI only) for 4K video output *2 from firmware ver.2.1 Free-D protocol supported from firmware ver.2.1		*1 from firmware ver.2.1 Free-D protocol supported from firmware ver.2.1	

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

Show	Network Broadcasting	Lecture Capture	Meeting Rooms	e-Sports

Broadcasting		Information Acquisition	Bidirectional Communication	

		4K	4K

SRG-X400	**SRG-X120**	**SRG-XB25**	**SRG-XP1**
3G-SDI HDMI IP	3G-SDI HDMI IP	HDMI IP	HDMI USB IP
1/2.5 type Exmor R CMOS	1/2.5 type Exmor R CMOS	1/2.5" 8.5MP CMOS	1/1.8" 8.4MP CMOS
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	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	2160/59.94p, 50p, 29.97p, 25p 1080/59.94p, 50p, 29.97p, 25p 720/59.94p, 50p, 29.97p, 25p 360/59.94p, 50p, 29.97p, 25p 480/59.94p (only for HDMI)	2160/59.94p, 50p, 29.97p, 25p 1080/59.94p, 50p, 29.97p, 25p 720/59.94p, 50p, 29.97p, 25p 360/59.94p, 50p, 29.97p, 25p 480/59.94p (only for HDMI)
RTSP/NDI®|HX*[1]	RTSP/NDI®|HX*[1]	RTSP/RTMP/SRT/NDI®|HX*[1]/MPEG-TS	RTSP/RTMP/SRT/NDI®|HX*[1]/MPEG-TS
30x (4K with CIZ)/40x (HD with CIZ)	12x (4K/HD)	Optical 25x Digital 6x (including pixel zoom)	Digital 6x (including pixel zoom)
Max. Pan: 300°/sec Max. Tilt: 126°/sec	Max. Pan: 300°/sec Max. Tilt: 126°/sec	-	ePTZ
Approx. 70.0 degree (Wide)	Approx. 70.0 degree (Wide)	68 degree	102 degree (with Distortion correction: 85 degree)
256 (CGI), 100 (VISCA)	256 (CGI), 100 (VISCA)	-	-
No	No	-	-
Yes (2ch)	Yes (2ch)	Yes (1ch)	Yes (1ch)
No	No	Yes	Yes
DC 12 V, PoE+	DC 12 V, PoE+	DC 12 V, PoE+	DC 12 V, PoE+
RS-422 (VISCA)/RJ-45 (VISCA over IP)	RS-422 (VISCA)/RJ-45 (VISCA over IP)	VISCA over IP/ONVIF Profile S	VISCA over IP/ONVIF Profile S/UVC
Yes	Yes	-	-
*1 Available when 4K Option is attached	*1 Available when 4K Option is attched	*1 Available when 4K Option is attached	*1 Available when 4K Option is attached

BRC-X1000

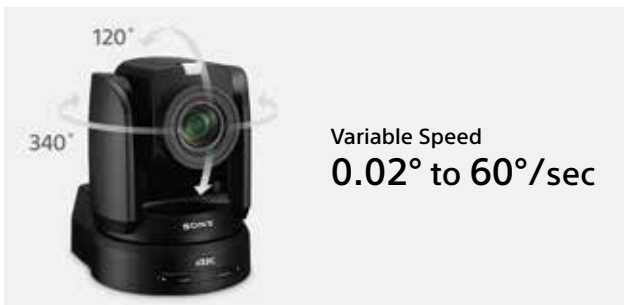**1.0-type CMOS sensor**

4K **Exmor R**

High Quality and Fine Detail
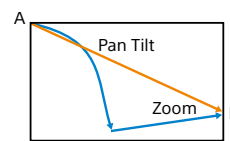
Breathtaking 4K quality

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

Smooth Panning and Tilting

A high-torque, high-resolution motor delivers precise pans and tilts. Camerawork can be saved into PTZ trace memory and recalled with a single touch.

120°

340°

Variable Speed
0.02° to 60°/sec

A

Pan Tilt

Zoom

B

Professional camerawork

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

More Creative Options, Simplified Workflow

BRC-X1000 and BRC-H800 output tracking data over IP, using the industry standard Free-D protocol*.
This feature allows productions to easily incorporate VR/AR into their live content, such as expanded sets or scenery, live animations, e-sports and graphic overlays, thus enriching their production.

* supported from firmware ver.2.1

SONY