

SRG-XP1

Compact 4K 60p POV remote camera with wide angle lens



Overview

Easily shoot and stream high-quality 4K 60p video with this space-saving point-of-view remote camera that covers the whole room with its wide field of view.

The SRG-XP1 POV (point of view) camera offers an accessible entry point into the world of 4K video production. It's ideal for 'unattended' video streaming in environments including e-sports venues and reality TV shows, classrooms, meeting space and hospital operating rooms where it can also serve as a high-quality secondary camera.

Compact dimensions and simple installation make the SRG-XP1 ideal for multi-camera setups with no need for dedicated camera operators. It can be used on walls, ceilings, tripods and shelves, as well as space-limited locations where it's costly or impractical to install large numbers of full-size cameras.

The wide angle lens covers a generous over-102° (with distortion correction: 85°) field of view (horizontal), allowing the camera to see an entire subject, even from very close range. It can also capture the entire audience in a classroom or auditorium—even from tricky positions where it's hard to install an ordinary room camera.

Streaming video, power and camera control signals are

all carried over a standard Ethernet cable, reducing installation costs and simplifying integration in today's IP networked production environments.

Features

Robust, stylish and compact

Measuring just 2.85 x 2.02 x 4.79 in and weighing 14 oz, the SRG-XP1 can be readily integrated into any environment. Upper and lower tripod mounts increase installation flexibility. Rear panel guards assure extra robustness, and the large, easy-to-read tally lamp is useful in multiple-camera setups.

Wide field of view

The wide angle lens covers a generous over-102° (with distortion correction: 85°) field of view (horizontal). As well as accommodating the presenter's entire face or body from close range without cropping, it can also cover the entire room, ensuring that everyone is visible in the frame.

Multiple streaming outputs

Streaming video available over HDMI, Ethernet, and USB 3.0* interfaces offers even greater operational flexibility.

* UVC full functionality will be supported by the end of 2020.

Easy IP connectivity, single-cable installation

Camera control, PoE, and streaming video output are carried over a single Ethernet cable, reducing installation costs and simplifying integration in space-restricted or hard-to-reach locations. Full IP integration includes support for Real Time Streaming Protocol (RTSP), Real Time Messaging Protocol (RTMP), and Secure Reliable Transport (SRT). Support for NDI ®|HX is also available via an optional license.

High quality 4K 60p images

The camera's large 1/1.8-type Exmor R CMOS sensor captures smooth, crisply detailed 4K 60p video with excellent low-light sensitivity.

Broadcast-style tally light

The camera-mounted tally light gives visual confirmation to the lecturer or presenter when the camera is active. The horizontal-bar-style light is easily visible to both performer/presenter and director.

Audio input

Connect an external microphone or line-level source to capture clear pictures with sound in lecture theaters and meeting rooms or on reality TV shows.

Specifications

Specifications	
Image Sensor	1/1.8 CMOS
Image Sensor (Number of Effective Pixels)	Approx. 8.40 Megapixels
	3840 × 2160/59.94p
	3840 × 2160/29.97p
	1920 × 1080/59.94p
	1920 × 1080/59.94i
	1920 × 1080/29.97p
	1280 × 720/59.94p
	1280 × 720/29.97p
	640 × 360/59.94p
	640 × 360/29.97p
Signal System	3840 × 2160/50p
	3840 × 2160/25p
	1920 × 1080/50p

1920 × 1080/50i
 1920 × 1080/25p
 1280 × 720/50p
 1280 × 720/25p
 640 × 360/50p
 640 × 360/25p
 640 × 480/59.94p *1
 *1 HDMI output only.

Minimum Illumination (50IRE)	0.5 lux (4K output, 50 IRE, 1/30 s)
Shutter Speed	1/10,000 sec to 1/1 sec
Optical Zoom	N/A
Digital Zoom	up to 3x pixel zoom, 2x digital zoom
Horizontal Viewing angle	Approx. 102 °
Focal Length	f = 4.57 mm, F1.7 f = 21 mm (35-mm camera equivalent)
Minimum Object Distance	300 mm (WIDE/TELE)
Number of preset	256 (CGI/VISCA)

Camera Features

Day/Night	Yes
Image Flip	Yes
Tally Lamp	Yes

IP Compression Format	ITU-T H.264/H.265
Bitrate Compression Mode	CBR/VBR (selectable)
NDI® HX Capability	Yes (requires a license; sold separately)
Audio Channel	2 ch
Audio Codec	AAC LC 256 kbps/ST (IP) AAC LC 128 kbps/ST (IP)
Interface	
Video Output	HDMI/USB(3.0)
HDMI Color Space	YUV, 4:2:2 8-bit YUV, 4:2:0 8-bit RGB, 4:4:4 8-bit
Camera Control Interface	VISCA over IP, CGI
Audio Input	Mini jack ø3.5 (Plug-in-Power supported)
Power terminal	IEC60130-10 (JEITA standard RC-5320A) TYPE 4
General	
Power Requirements	DC 12 V (AC adapter 100 V to 240 V, 50/60 Hz), PoE (IEEE802.3af compatible)

Power Consumption	DC 12 V:12.5 W PoE input:12.9 W
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Dimensions (W x H x D)	72.4 × 51.2 × 121.7 mm (2.85 × 2.02 × 4.79 inches) (width/height/depth) (excluding protrusions)
Mass	Approx. 0.41 kg (14 oz)
Body Color	Black and White
Size of Screw Hole for Tripod	4.5 mm to 6 mm (0.12 in to 0.24 in)
Mountable Angle	Less than ±45 degrees to the horizontal
Ceiling Mount	Yes
Supplied Accessories	Safety Regulations (1) AC adapter (1) Remote commander (1) Wire rope (1) Mounting screws (M3 ×8) (1) Mounting screws (M2.6 ×6 black) (1) HDMI cable fixing plate (1)

Related products



BRC-X1000

4K Pan Tilt Zoom camera with 1.0-type Exmor R CMOS sensor (color availability may vary by country)



SRG-X400

IP 4K* Pan-Tilt-Zoom Camera with NDI®**|HX capability



REA-C1000

Edge Analytics Appliance

Edge Analytics Appliance



SRG-XB25

Compact 4K 60p BOX-style remote camera with 25x optical zoom

Gallery



