

SONY

SRG-360SHE

Full HD remote camera with triple streaming outputs and advanced PTZ functions



Overview

Capture and share high-quality Full HD images with simultaneous streaming via IP, 3G-SDI and HDMI

The versatile SRG-360SHE is a high-performance Full HD remote network camera that's ideal for use in lecture theatres, auditoria and Houses of Worship, as well as corporate, governmental and telemedicine applications. Its excellent image quality also makes it suitable for broadcast applications, from news and live sports production to reality TV shows.

Suitable for table top or ceiling mounting, the attractively styled camera body features a large tally lamp that gives presenters a clear visual indication when they're on air. Reducing cabling requirements for simpler installation, PoE+ (Power over Ethernet) carries IP video and power over a single connection cable.

The SRG-360SHE streams smooth, detail-packed Full HD (1080/60p) video over an IP network connection, with additional outputs providing simultaneous feeds over 3G-SDI and HDMI at the same time. This triple streaming capability makes the camera ideal for corporate presentations, webcasts and other events where content can be displayed on a connected monitor, streamed live to the web and simultaneously recorded for editing and archive.

An improved PTZ mechanism ensures smooth, steady camera movements for polished, professional-looking coverage of any scene. Separate pan, tilt and zoom movements can be synchronised to start and stop together, and a 'trace' of pre-set camera positions can be stored for recall at any time.

The sensitive Exmor™ CMOS image sensor assures excellent low-light sensitivity, with View-DR and XDNR enhancing image quality in harshly backlit or poorly-illuminated rooms. The camera's wide field of view makes it easier to cover everyone in the room. Powerful 30x optical zoom is boosted further by digital zoom for high-quality close-ups of distant subjects. Live images can be viewed via a web browser on a PC or mobile device that can also recall up to 256 stored camera viewing position set-ups.

Stereo audio from an attached microphone can be fine-tuned using the on-board equaliser and auto level control for extra clarity and intelligibility. There's also an auto lip-sync feature to eliminate distracting mismatches between sound and picture. The SRG-360SHE can be controlled remotely using VISCA command protocols over IP or RS-422. The camera's embedded web browser also allows simple control and image preview from any networked PC.

Features

- **Triple streaming outputs**

The SRG-360SHE can simultaneously output 1080/60p baseband video through 3G-SDI, HDMI and as a H.264 compressed video/audio stream via IP. This triple streaming capability makes the camera ideal for webcasting and simultaneous recording of conferences, lectures, seminars and other live events.

- **Full HD image quality with 60fps frame rate**

See every presenter or conference participant more clearly. The 1/2.8-type Exmor CMOS image sensor captures smooth, crisply detailed, Full HD (1920 x 1080 60p) images with extremely low noise – even in low light conditions where other cameras struggle. High frame rate (60fps) operation ensures smoother, more fluid reproduction of moving subjects.

- **Clearer pictures in any lighting conditions**

Unique to Sony, View-DR technology expands dynamic range for clear images under harsh backlighting with extremes of light and dark in the same scene. XDNR technology reduces image noise for crisp reproduction of still and moving objects in poorly-illuminated rooms.

- **Powerful 30x optical zoom**

The 30x optical zoom range is complemented by 12x digital zoom for frame-filling close-ups with every detail seen clearly. Responsive autofocus ensures that images stay clear and sharp, even at high zoom settings.

- **Enhanced PTZ operation**

The powerful direct drive motor assures quiet, rapid movement to the target position over a wide pan/tilt angle range. PTZ synchronisation ensures smoothly co-ordinated camera movements, while Pan/Tilt speed can be set to 'Slow' for smooth, professional looking transitions. A sequence of camera positions can be stored to memory and recalled as a preset 'trace'.

- **Wide 65-degree viewing angle**

See every meeting participant in a boardroom with a wide 65-degree horizontal viewing angle.

- **Suitable for desktop or ceiling mounting**

Image E-flip gives extra operating flexibility, allowing the camera to be sited on a boardroom table-top or ceiling mounted while maintaining proper image orientation.

- **Large tally light**

The large red tally light immediately above the lens gives presenters clear visual confirmation when the camera is active.

- **Enhanced audio quality with equaliser and auto lip-sync function**

Audio from a connected stereo microphone (optional) or line inputs can be enhanced using the on-board equaliser and auto level control for greater intelligibility. Unwanted signal delays between audio and video are compensated by the auto lip-sync function.

- **Versatile connectivity options**

Support for RS-422 protocol allows easy connection with a wide range of peripheral products. The camera can also be controlled via VISCA protocols over a standard IP network.

- **256 programmable presets**

Store and instantly recall up to 256 camera positions from a networked PC and web browser.

- **Embedded web browser**

Preview images and control the camera from any networked PC.

- **PoE+ for flexible powering options**

PoE+ (Power over Ethernet) capability carries IP video and power over a single connection cable, simplifying installation.

Technical Specifications

Specifications	
● Image sensor	1/2.8 Exmor CMOS
● Signal System - HD	1080/59.94p,50p 1080/59.94i,50i 720/59.94p,50p
● Signal System - SD	-
● Lens - Focal Length	f=4.3 to 129.0 mm F1.6 to 4.7
● Lens - Optical Zoom	30x
● Lens - Digital Zoom	12x
● Min. object Distance	10 mm (Wide end), 1200 mm (Tele end)
● Horizontal Viewing Angle	2.9° (Tele)- 65° (Wide, normal mode) / 63.7° (Wide, low latency mode)
● TV Line	1,000 (center)
● Focus Systems	Auto/Manual
● Min. Illumination	High Sensitivity mode: 0.35 lx (50IRE, F1.6, 30fps) Normal mode : 1.4 lx (50IRE, F1.6, 30fps)
● Auto IR cut filter	Auto, Manual, Timer, Sensor input Near-IR compensation on/off
● Shutter Speed	1/1 to 1/10000
● Gain	Auto/Manual (0 to +43 dB)
● White Balance	Auto1/Auto2/Indoor/Outdoor/One-push/Manual
● Exposure Control	Auto, Manual, Priority AE(Shutter,Iris), Exposure compensation, Blight
● S/N ratio	50 dB
● Pan/Tilt - Angle - Pan	±170°
● Pan/Tilt - Angle - Tilt	+90°/-30
● Preset Positions	256
● Video Output - HD	3G-SDI, HDMI
● Video Output - SD	-
● Sync system	INT
● Camera Control - IR	Yes
● Camera Control - Interface	RS-422/RJ-45
● Camera Control - Protocol	VISCA(RS-422, IP)/CGI(RJ-45)/S700PTP
● MIC input	Mini-phone(3.5φ)×2(MIC/Line) (selectable)
● Audio - Channel	2ch (stereo)
● Audio - Codec	AAC LC
	• Auto level control(ALC) On/OFF

● Audio setting option	• Simplified equalizer
● Audio - Sampling frequency	48kHz
● Audio - Embedded in Baseband video	Yes (3G-SDI, HDMI)
● Audio - Embedded in IP streaming	Yes
● Power requirements	DC 12V(DC 10.8 ~ 13.2V)
● PoE	PoE+
● Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
● Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
● Mass	Approx. 2.1kg
● Dimensions (WxHxD:mm)	159 x 187.5 x 200.5mm
● Body Color	White with black
● Supplied accessories	IR remote commander (1) AC power adaptor (1) Ceiling bracket (2) Wire rope(1) HDMI cable retainer(1) Screw M3 x 8(9) Screw M2.6x6(1)
● Optional accessories	RM-IP10

IP streaming	
● Resolution	1920 x 1080, 1280 x 720, 960 x 540 (H.264)
● Compression Format	H.264 (High Profile)
● Maximum Frame Rate	H.264: 60 fps (1920 x 1080)
● Bitrate Compression Mode	CBR/VBR (selectable)
● Range of Bitrate Setting	512Kbps~32 Mbps
● Adaptive Rate Control	H.264
● Multi Streaming Capability	3
● Maximum Number of Clients	5
● Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, RTP/RTCP, RTSP, HTTPS, SNMP, SSL, VISCA over IP

Accessories

Other Accessories



SCA-M30

High quality, ceiling microphone for IP security cameras.

Pan Tilt Zoom Cameras



RM-IP10

IP remote control panel for BRC cameras

Video Conference



PCS-A1

Omnidirectional Microphone