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 capture, auditoriums and faith centers, as well as corporate, government 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 synchronized 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 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 equalizer 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 synchronization 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 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 equalizer and auto lip-sync function*
Audio from a connected stereo microphone (optional) or line inputs can be enhanced using the on-board equalizer and auto level control for greater intelligibility. Unwanted signal delays between audio and video are compensated by the auto lip-sync function.

* In case of IP streaming, auto lip-sync function depends on the viewing setting condition and usage environment

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 via CGI 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.

*HDMI output and IP multi-streaming is disabled when power is supplied via PoE+.

Specifications

Camera	
Image Sensor	1/2.8 Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels
Signal System	1080/59.94p, 50p, 29.97p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p
Minimum Illumination (50IRE)	1.4 lx (50IRE, F1.6, 1/30s, 43dB, 30fps)
S/N Ratio	50 dB
Gain	Auto/Manual (0 to +43 dB)
Shutter Speed	1/1 to 1/10000 sec (59.94 Hz system) 1/1 to 1/10000 sec(50Hz system)
Exposure Control	Full Auto, Manual, Priority AE(Shutter, Iris), Exposure Compensation, Bright, Slow Shutter
White Balance	Auto, Indoor, Outdoor, One-push WB, ATW, Manual
Optical Zoom	30x
Digital Zoom	12x
Focusing System	Auto/Manual
Horizontal Viewing Angle	65 degree(Wide)
Focal Length	f=4.3mm(wide) to 129 mm(Tele) F1.6 to 4.7
Minimum Object Distance	10 mm(Wide)~ 1200 mm(Tele)
Pan/Tilt Angle	Pan: ±170° Tilt: +90°/-30°
Pan/Tilt Speed (Max.)	60 degrees/sec
Preset Position	256 (CGI) 16 (VISCA)

Network	
IP Video resolution	1920 x 1080, 1280 x 720, 960 x 540, 720 x 480
Compression Format	H.264 (High Profile)
Maximum Frame Rate	H.264:60fps
Bitrate Compression Mode	CBR/VBR (selectable)
Range of Bitrate Setting	64Kbps ~ 32 Mbps

Network

Adaptive Rate Control	Yes (H.264)
Multi Streaming Capability	3
Maximum Number of Clients	5
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, RTP/RTCP, RTSP, VISCA over IP

Camera Features

Auto ICR	Yes
Wide-D	Yes
Image Stabilization	Yes
Image Flip	Yes
Auto Power Off	No
Night Power Off	No

Audio

Channel	2ch (stereo)
Audio Codec	AAC LC 128kbps(sampling 48kHz) AAC LC 64kbps(sampling 16kHz)
Setting option	Auto gain control(AGC) On/OFF Simplified equalizer Off/Low cut/Voice enhancement
Embedded in Baseband video	Yes (3G-SDI, HDMI)
Embedded in IP streaming	Yes

Interface

HD Video Output	3G-SDI, HDMI
Camera Control Interface	RS-422 RJ-45 S700PTP, CGI, VISCA over IP RJ-45
IR Remote Control	Yes
Microphone input	Mini-phone(3.5ϕ)×2(MIC/Line) (selectable)
Sync. System	INT

General

Power Requirements	DC 12V (DC 10.8 to 13.2V), PoE+(IEEE802.3at compliant)

General	
Power Consumption	25.5W
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)*1	159 x 187.5 x 200.5mm 6 3/8 × 7 1/2 × 8 inches
Mass	Approx. 2.1 kg 4 lb 10 oz
Body Color	White with Black
Wide Conversion Lens Attachable	No
Mountable Angle	<±15°
Ceiling Mount	Yes
Supplied Accessories	AC power adaptor (1) AC power cord (1) IR Remote Commander Unit (1) Ceiling bracket (2) Wire rope(1) Screw M3 x 8 (9) Screw M2.6 x6 BLACK (1) HDMI cable fixing plate Safety regulation (1) Donwload site information (1) Warranty (1)

Related products



PMW-RX50

Dual SxS PRO rugged, portable deck with Full HD XAVC recordings



DWZ-B70HL

DWZ Series digital wireless microphone set for vocal/speech with lavalier / headset microphones



RM-IP500

PTZ Camera Remote Controller



RM-IP10

IP remote control panel for BRC cameras

Gallery







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