SRG Series
Full-HD PTZ Remote Cameras

SRG-300SE  SRG-300H  SRG-360SHE  SRG-120DH
SRG-300SE/W SRG-300H/W SRG-120DS  SRG-120DU
Sony’s SRG Family consists of six HD pan/tilt/zoom (PTZ) cameras: SRG-360SHE, SRG-300SE, SRG-300H, SRG-120DU, SRG-120DH, and SRG-120DS. These cameras achieve superb picture quality (1080/60p resolution) thanks to Sony’s high sensitivity 1/2.8 inch-type Exmor® CMOS sensor and offer smooth, quiet PTZ capabilities. Powerful zoom options range from 12x up to 30x optical zoom with 12x digital zoom for frame-filling close-ups and come in a variety of video outputs. All of the SRG cameras are equipped with Sony’s View-DR® (dynamic range) and XDNR® (noise reduction) technologies for the capture of clear images (still or moving) under changing, backlight or low-light environments.

The newest member, the SRG-360SHE 30x live IP streaming PTZ camera, inherits the same features found in the popular SRG-300SE camera with the addition of simultaneous transmission of 3G-SDI, HDMI and IP H.264 Full HD video and features PoE+ capability for easy installation.

The new SRG-120DU 12x USB 3.0 UVC video compatible PTZ camera offers a wide field of view (71°) and its plug-and-play simplicity converts any boardroom, classroom or medical space into a professional video collaboration environment. In addition, the new SRG-120DS 12x PTZ camera inherits the same outstanding features found in the SRG-120DH, but is equipped with 3G-SDI video output.

All of the SRG cameras are ideal for a wide range of applications, including videoconferencing, education, healthcare, faith-based, sports, government and more.

**Superb full-HD 1080/60p video with high picture quality**

SRG Series cameras provide superb picture quality by incorporating a sophisticated 1/2.8 inch-type Exmor® CMOS image sensor. They provide smooth, crisply detailed, full-HD (1920 x 1080/60p) images with extremely low noise. High frame rate (60 fps) operation ensures smooth, more fluid reproduction of moving subjects.

In addition, outstanding View-DR® technology expands the camera’s dynamic range for clear images under harsh backlighting with extremes of light and dark in the same scene. XDNR® technology helps to reduce image noise for crisp reproduction of still and moving objects under extreme or low-light conditions.

**Powerful optical zoom and wide viewing angle**

The SRG-360SHE, SRG-300SE, and SRG-300H provide up to a 30x optical zoom capability and 12x digital zoom for frame-filling close-ups in great detail. Responsive autofocus ensures that images stay clear and sharp, even at high zooming settings. And the SRG-120DS, SRG-120DH, and SRG-120DU provide up to a 12x optical zoom capability and 12x digital zoom.

In addition, a wide horizontal viewing angle maximizes effectiveness in room settings when there are many participants. The SRG-360SHE, SRG-300SE, and SRG-300H support a horizontal viewing angle of 65 degrees, and the SRG-120DS, SRG-120DH, and SRG-120DU support 71 degrees. These cameras are ideal for small to large classrooms, meeting rooms and auditoriums.

**VISCA-over-IP**

SRG Series cameras can be controlled via the VISCA protocol over IP connections. They are also compatible with Sony’s optional RM-IP10 IP Remote Controller to enable pan, tilt, and zoom operation with an optical three-axis joystick.

In addition, you can control up to 112 cameras with up to five remote controllers on the same IP network. Also the SRG-300H can be controlled via VISCA-over-IP, RS-232 and RS-422. The SRG-120DH and SRG-120DS feature VISCA-over-IP and RS-232 control.

**Enhanced audio quality with equalizer and auto lip-sync function** (SRG-360SHE only)

The SRG-360SHE enhances stereo audio from a connected stereo microphone (optional) or line inputs by using the onboard equalizer and auto level control. Unwanted signal delays between audio and video are compensated for by the SRG-360SHE’s auto lip-sync function. The SRG-300SE is equipped with two audio inputs (an external LINE input and a MIC input*) for embedding the audio in the IP stream.

* The LINE and MIC are selectable.
Pan, Tilt, Zoom, Focus and other camera functions can be single USB3.0 cable connected to a PC or laptop, the camera’s camera control. By using the SRG-120DU PTZ camera and a UVC control to offer Far End Camera control as well as local control. Many popular end-user software programs take advantage of the SRG-120DU camera (V2.02) now offers UVC camera control. (SRG-120DU Camera Only)

UVC Camera Control
(SRG-120DU Camera Only)
The SRG-120DU camera (V2.02) now offers UVC camera control. Many popular end-user software programs take advantage of UVC control to offer Far End Camera control as well as local camera control. By using the SRG-120DU PTZ camera and a single USB3.0 cable connected to a PC or laptop, the camera’s Pan, Tilt, Zoom, Focus and other camera functions can be controlled by participants on both ends of a web-based video conference. This enables easy and simple integration for a better end user experience.

Other features
High sensitivity
The SRG Series features superb sensitivity to enable high quality, image capture in low-light environments.
• SRG-360SHE, SRG-300SE and SRG-300H – 1.4 lx minimum illumination
• SRG-120DS, SRG-120DH and SRG-120DU – 1.8 lx minimum illumination

Compact and stylistic body
The SRGs’ all-in-one compact and lightweight design makes them easy to install in a variety of locations. Select models are available in a black or white housing, making the cameras unobtrusive when ceiling-mounted, a valuable feature in healthcare and education installations. (SRG-300SE/W and SRG-300H/W).

Quick and silent PTZ
With their fast and silent pan, tilt and zoom capabilities, the SRG cameras are ideal for use in noise-restricted environments like faith-based communities, hospitals, classrooms, courtrooms and meeting rooms. Their non-intrusive camera body and silent movement is appreciated by healthcare, education and sports users who require high-end HD 1080/60p video capture without distracting the patient, student or athlete.

Flexible Installation with E-Flip Function
The SRG-360SHE, SRG-300SE and SRG-300H cameras can be desktop- or ceiling-mounted, thanks to their E-Flip function. This function automatically rotates the image 180 degrees so it is displayed correctly on a connected monitor. The SRG-120DH, SRG-120DU and SRG-120DS are desktop-only models.

Optional accessories
RM-IP10: IP Remote Controller
• Comfortable P/T/Z operation with the optical three-axis joystick
• Versatile camera adjustment by simple panel operation
• Up to 112 camera units can be controlled from one remote control unit
• Up to 16 camera positions can be preset and recalled

EZ-2-Connect™ Packages - Power, Video and Control Solutions
Installation headaches are a thing of the past when you combine an SRG PTZ camera with a CAT5e/6 cabling kit. With just one or two standard Ethernet cables, you can easily power and control Sony’s SRG PTZ cameras – saving time and money.
• RC5-SRG Single Cable Solution Kit - SRG-300H, SRG-300H/W, and SRG-120DH PTZ Cameras (Ethernet – HDMI)
• RC4-SRG Single Cable Solution Kit - SRG-300H, SRG-300H/W, and SRG-120DH PTZ Cameras (VISCA – HDMI)

* Presets 17 to 256 only store PTZF data on the connected PC or laptop.
## Specifications

| Camera | Camera Control Interface | VISCA protocol with built-in IP control | Camera Control Interface: RJ-45 / RS-232C | Audio Input | MIC/Line x2 (selectable) | MIC (mini) x1, Line (RCA) x1 | IP Streaming | Yes (RTSP) | Yes (RTSP) | No | No | Audio Embedded | Yes (3G-SDI, HDMI, IP) | Yes (IP) | No | Video Output | Minimum Illumination | 1.4 lx (50 IRE, F1.6, 30 fps) | 1.8 lx (50 IRE, F1.8, 30 fps) | S/N Ratio | 50 dB | Video Output | 3G-SDI / HDMI | 3G-SDI (HD-SDI compatible) | HDMI | 3G-SDI (HD-SDI compatible) | HDMI | HD USB 3.0 | Signal System | 1080/59.94p (A/B), 50p (A/B), 29.97p, 25p | 1080/59.94p (A/B), 50p, 29.97p, 25p | 1080/59.94p (A/B), 50p, 29.97p, 25p | 1080/59.94p, 50p, 29.97p, 25p | 1080/59.94p, 50p, 29.97p, 25p | 1080/59.94p, 50p, 29.97p, 25p | 1080/59.94p, 50p, 29.97p, 25p | 1080/59.94p, 50p, 29.97p, 25p | 1080/59.94p, 50p, 29.97p, 25p | General | Dimensions (W x H x D) | 6 3/8 x 7 1/2 x 8 inches (159 x 187.5 x 200.5 mm) | 6 1/4 x 6 1/2 x 6 1/2 inches (157 x 164 x 163 mm) | 6 1/8 x 6 1/4 x 6 1/8 inches (153 x 156 x 153 mm) | Weight | Approx. 4 lb 10 oz (2.1 kg) | Approx. 3 lb 1.4 oz (1.4 kg) | Approx. 3 lb 3.1 oz (1.45 kg) | Power Requirements | DC 12V (DC 10.8 V to 13.2V) | PoE | PoE+ | No | PoE | Max 30 W | 16.8 W | Operating Temperature | 32°F to 104°F / -0°C to 40°C | Storage Temperature | -4°F to 140°F / -20°C to +60°C | Supplied Accessories | IR remote commander (1), AC power adapter (1), Ceiling bracket (2), Wire rope (1), HDMI cable retainer (1), Screw M3 x 8 (9), Screw M2.6 x 6 (7) | AC power adapter (1), AC power cable (1), IR remote commander (1), CD-ROM (Operating instructions) (1), RS-422 connector plug (1), Ceiling bracket (2), Wire rope (1), Screw M3 x 8 (8) | AC power adapter (1), AC power cable (1), IR remote commander (1), CD-ROM (Operating instructions) (1) | AC power adapter (1), AC power cable (1), IR remote commander (1), CD-ROM (Operating instructions) (1) | AC power adapter (1), AC power cable (1), IR remote commander (1), CD-ROM (Operating instructions) (1) | AC power adapter (1), AC power cable (1), IR remote commander (1), CD-ROM (Operating instructions) (1) | AC power adapter (1), AC power cable (1), IR remote commander (1), CD-ROM (Operating instructions) (1) | Sony Electronics Inc. 1 Sony Drive Park Ridge, NJ 07656 sony.com/PTZ ©2016 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Features, design, and specifications are subject to change without notice. Weights and measurements are approximate. Sony, Exmor, View-DR, XDNR, EZ-2-Connect and the Sony logo are trademarks of Sony. All other trademarks are the trademark of their respective owner. IS-1268 Printed in USA (8/16)