# SONY

# SRG-300H

## Full HD remotely operated PTZ camera

**Overview**

**Desktop or ceiling mounting PTZ colour camera for corporate, educational and telemedicine applications, with powerful 30x optical zoom and high frame rate 60fps.**

The SRG-300H PTZ camera captures high-quality colour video images in corporate boardrooms, lecture theatres and training suites. Controlled remotely over standard IP networks, it's ideal for use as either a primary or secondary camera in a wide range of visual imaging applications, from videoconferencing to remote monitoring and telemedicine.

The sensitive Exmor™ CMOS sensor assures detail-packed Full HD pictures with a high horizontal resolution. High frame rate operation at 60fps delivers more natural, blur-free reproduction of moving subjects.

Excellent low-light sensitivity (as low as 0.35 lx in High Sensitivity mode) makes the camera ideal for use in conditions of near-darkness. 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, even when digital zoom is used.

The camera's wide field of view makes it easier to cover everyone in the room during videoconferences. Smooth, silent PTZ operation with 16 preset camera positions makes it quick and easy to re-frame shots without disturbing presenter or other audience members. Powerful 30x optical zoom is boosted further by 12x digital zoom for high-quality close-ups of subjects far from the camera – such as a lecturer on the other side of a large auditorium.

For extra flexibility, the camera can be controlled using VISCA command protocols over standard IP networks. The addition of an HDMI video output simplifies direct connection of the camera to an HD videoconferencing system or PC.

The camera is equally suitable for desktop or ceiling mounting.

SRG300H/W is a white model.

**U.S. and Canadian accessory packs**

SRG-300H/PAC4, SRG-300H/PAC5, SRG-300HW/PAC4 & SRG-300HW/PAC5 camera & cable packages are available in the U.S. and Canada. Please speak to your local Sony Professional Authorised Reseller to find out more.

Features

**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.

### Fast, quiet PTZ operation

The camera's powerful direct drive motor assures quiet, smooth, rapid movement to the target position over a wide pan/tilt angle range.

### Wide 65-degree viewing angle

See everyone 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.

### Versatile connectivity options

Support for RS-232C/RS-422 protocols allows easy connection with a wide range of peripheral products. The camera can also be controlled via VISCA protocols over a standard IP network.

### HDMI compatible

Provision of an HDMI video interface simplifies direct connection with a compatible videoconferencing system, PC or HD video monitor.

### 16 programmable presets

16 pre-programmable settings (controllable via IP or VISCA) allow quick transition from one camera position to another.

**Easy control by PC**

PC control software allows remote adjustment of basic as well as advanced cameras settings via VISCA protocols- such as colour adjustment and Pan/Tilt speed - from an intuitive interface.

## 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<br>1080/59.94i,50i<br>720/59.94p,50p,29.97p,25p |
| Minimum Illumination (50IRE) | 1.4 lx (50IRE, F1.6, 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)<br>1/1 to 1/10000 sec(50Hz system) |
| Exposure Control | Auto, Manual, Priority AE(Shutter,Iris), Exposure compensation, Blight |

| | |
|---|---|
| White Balance | Auto, Indoor, Outdoor, One-push auto, 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°/-20° |
| Pan/Tilt Speed (Max.) | Pan 100°/sec Tilt 90°/sec |
| Preset Position | 16 |

## Camera Features

| | |
|---|---|
| Auto ICR | Yes |
| Wide-D | Yes |
| Image Stabilization | Yes |
| Image Flip | Yes |

| | |
|---|---|
| Auto Power Off | No |
| Night Power Off | No |

## Interface

| | |
|---|---|
| Hd Video Output | HDMI |
| Sd Video Output | - |
| Camera Control Interface | RS-232/RS-422/RJ-45 |
| Sync. System | INT |

## General

| | |
|---|---|
| Power Requirements | DC 12V (DC 10.8 to 13.2V) |
| Power Consumption | 16.8W |
| Operating Temperature | 0 °C to 40 °C<br>32 °F to 104 °F |
| Storage Temperature | -20 °C to +60 °C<br>-4 °F to +140 °F |
| Dimensions (W x H x D) *1 | 157 x 164 x 163mm<br>6 1/4 × 6 1/2 × 6 1/2 inches |
| Mass | 1.4kg<br>3 lb 1.4 oz |

| | |
|---|---|
| Body Color | White/Black |
| Wide Conversion Lens Attachable | No |
| Mountable Angle | ±15° |
| Ceiling Mount | Yes |
| Supplied Accessories | AC power adaptor (1)<br>AC power cable (1)<br>IR Remote Commander Unit (1)<br>CD-ROM (Operating Instructions) (1)<br>Ceiling bracket (2)<br>RS-422 connector plug (1)<br>Wire rope(1)<br>Screw M3 x 8(8) |
| *1 | The values for dimensions are approximate. |

## Related products



**PCS-XG77H**

High Definition Videoconferencing System

**PCS-XG100H**

Full HD High Definition Videoconferencing System

**AWS-750**

Anycast Touch portable live content producer

**PCS-XG77S**

HD Videoconferencing System (codec only)

**PCS-XG100S**

Full HD Videoconferencing System (codec only)



**RM-IP10**

IP remote control panel for BRC cameras



**RM-IP500**

PTZ Camera Remote Controller



**REA-C1000 Edge Analytics Appliance**

Edge Analytics Appliance

## Gallery