

SRG-120DS

Full HD remotely operated PTZ camera



Overview

Desktop PTZ camera for corporate, educational and government applications, with 3G-SDI output and 12x optical zoom.

The SRG-120DS desktop 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 education.

The inclusion of an 3G-SDI interface output supports longer cable lengths than HDMI, making the camera ideal for integration in large rooms.

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 0.4 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. 12x 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.

Features

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

See every presenter or conference participant more clearly. The 1/2.8-type Exmor CMOS sensor captures smooth, crisply detailed, Full HD (1920 x 1080) 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**

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- **Get closer with powerful 12x optical zoom**

The 12x optical zoom range is complemented by 12x digital zoom (total 144x High Power 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 quick, silent pan/tilt/zoom capabilities make it ideal for meeting rooms, classrooms and other noise-limited environments.

- **Wide 71-degree viewing angle**

See every conference participant in cramped meeting rooms with a wide 71-degree horizontal viewing angle.

- **Versatile connectivity options**

Support for RS-232C 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.

- **3G-SDI video interface**

HD video signals are output via 3G-SDI, allowing longer cable runs than HDMI for ease of integration in larger rooms.

- **16 programmable presets**

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

Technical Specifications

Specifications	
● Image Device	1/2.8-type Exmor CMOS
● Effective Pixels	Approximately 2.1 megapixels
● Lens	12x optical/12x digital zoom Focal Length - 3.9 mm (wide) to 46.8 mm (tele) F1.8 to 2.0
● Minimum Object Distance	10 mm (Wide) to 1500 mm (Tele)
● Auto Exposure	Yes
● Shutter Speed	1/1 to 1/10000 sec (59.94 Hz system) 1/1 to 1/10000 sec (50 Hz system)
● Gain	Auto/Manual (0 to +43 dB)
● White Balance	Auto, Indoor, Outdoor, One-push auto, ATW, Manual
● Pan Angle/Speed	Angle: +/- 100 degrees Speed: 300 degrees /sec.
● Tilt Angle/Speed	Angle: +25 degrees / -25 degrees Speed: 126 degrees / sec
● Horizontal Viewing Angle	71 degrees wide

Digital Zoom	
● Digital Zoom	12x
● Preset Positions	16
● Focus System	Auto/Manual
● Sync System	INT
● Wide Dynamic Range	Yes (View-DR)

Interface	
● Camera Control Interface	VISCA protocol with built-in IP control Camera Control Interface: RJ-45 / RS-232C

Video Output	
● Horizontal Resolution	1,000 TV lines
● Minimum Illumination	1.8 lx (50 IRE, F1.8 30 fps)
● S/N Ratio	50 dB
● Video Output	3G-SDI
● Signal System	1080/59.54p, 50p, 29.87p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p

General	
● Dimensions (W x H x D)	153 x 156 x 153 mm (6-1/8 x 6-1/4 x 6-1/8 inches)
● Weight	1.6 kg (3 lb. 8.4 oz)
● Power Requirements	DC 12V (DC 10.8 to 13.2 V)
● Power Consumption	16.8 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)

Accessories

Pan Tilt Zoom Cameras



RM-BR300

Remote control unit for BRC series cameras



RM-IP10

IP remote control panel for BRC cameras