SONY

SRG-120DH

Full HD remotely operated PTZ camera

Overview

Desktop PTZ colour camera for corporate, educational and telemedicine applications, with 12x optical zoom and high frame rate 60fps.

The SRG-120DH is a desktop PTZ camera that 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 0.4 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. New PC control software allows remote adjustment of basic and advanced settings from a simple, intuitive interface. The addition of an HDMI video output simplifies direct connection of the camera to an HD videoconferencing system or PC.

U.S. and Canadian accessory packs

SRG-120DH/PAC4 & SRG-120DH/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.

Get closer with powerful 12x optical zoom

The 12x 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 71-degree viewing angle

See everyone meeting participant in a boardroom 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.

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 1080/59.94i,50i 720/59.94p,50p,29.97p,25p
Minimum Illumination (50IRE)	1.8 lx (50IRE, F1.8, 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	Auto, Manual, Priority AE(Shutter,Iris), Exposure compensation, Bright
White Balance	Auto, Indoor, Outdoor, One-push auto, ATW,Manual
Optical Zoom	12x
Digital Zoom	12x
Focusing System	Auto/Manual

Horizontal Viewing Angle	71 degree(Wide)
Focal Length	f=3.9mm(wide) to 46.8 mm(Tele) F1.8 to 2.0
Minimum Object Distance	10 mm(Wide)~ 1500 mm(Tele)
Pan/Tilt Angle	Pan: ±100° Tilt: ±25°
Pan/Tilt Speed (Max.)	Pan 300°/sec Tilt 126°/sec
Preset Position	16

Camera Features

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

Interface

Hd Video Output	HDMI

Sd Video Output	-
Camera Control Interface	RS-232/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 32 °F to 104 °F
Storage Temperature	-20 °C to +60 °C -4 °F to +140 °F
Dimensions (W x H x D) *1	153 × 156 × 153 mm 6 1/8 x 6 1/4 x 6 1/8 inches
Mass	1.45kg 3 lb 3.1 oz
Body Color	Silver
Wide Conversion Lens Attachable	No
Mountable Angle	±15°

Ceiling Mount	No
Supplied Accessories	AC power adaptor (1) AC power cable (1) IR Remote Commander Unit (1) CD-ROM (Operating Instructions) (1)

Notes

Note	* The values for dimensions are approximate.

Related products

PCS-XG77S

HD Videoconferencing System (codec only)

PCS-XG100S

Full HD Videoconferencing System (codec only)

AWS-750

Anycast Touch portable live content producer

RM-IP10

IP remote control panel for BRC cameras

RM-IP500

PTZ Camera Remote Controller

REA-C1000 Edge Analytics Appliance

Edge Analytics Appliance

Gallery