

SONY



Plug-and-play simplicity with superb image quality

Sony's SRG-120DU USB 3.0 PTZ camera is ideal for visual communications and remote monitoring applications.

The SRG-120DU USB 3.0 UVC video compatible PTZ camera is the newest member to join Sony's SRG PTZ high-definition remotely operated camera line-up. This affordable professional 1080p/60 Full HD USB 3.0 PTZ camera is designed to interface easily with a dedicated computer system using the same USB technology found on most computers. Simply connect the camera directly to any standard PC through its USB 3.0 input and you are quickly connected with popular Unified Communications and Collaboration (UCC) and multimedia streaming devices.



With a high-sensitivity 1/2.8-type Exmor® CMOS sensor as well as View-DR® technology, the camera provides extremely wide dynamic range with Sony's full-capture Wide-D technology to compensate for backlight or changing lighting conditions. In addition, its XDNR® technology reduces noise and provides clear images in low lighting conditions. The camera's extremely wide field of view (71°) and 12x optical/12x digital zoom auto focus lens make it ideal for small- to mid-sized rooms.



The camera features fast and silent pan/tilt/zoom capabilities and is controllable via VISCA protocol (RS-232 and RJ45 [IP] connectors). The drive motor noise is less than 35dB, making it perfect for noise-restricted environments like hospitals, classrooms, and meeting rooms. Available in a silver housing, its all-in-one compact and lightweight design makes it easy to install in a variety of locations.



The SRG-120DU camera converts any boardroom, classroom, court room, or medical space into a professional video collaboration environment.



Simply Connect with USB 3.0

Easy operability is achieved by direct connection between the camera and a computer via a standard USB 3.0 interface. With its super-speed data transfer capability of up to 5 Gbps via this interface, the SRG-120DU transfers uncompressed video signals at 1080/60p resolution.

Excellent Picture Quality

View-DR® and XDNR® Technologies  



View-DR OFF



View-DR ON

* Simulated images

The SRG-120DU combines Sony's high-sensitivity 1/2.8-type Exmor® CMOS sensor with its latest View-DR technology, producing high-quality, professional images for a wide variety of remote shooting applications.

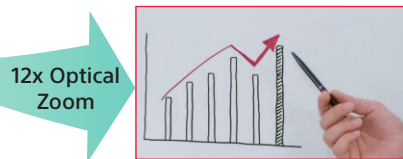
View-DR technology provides an extremely wide dynamic range of 130 dB* through Sony's sophisticated image processing technology to compensate for backlight or changing lighting conditions. This is realized by the Exmor CMOS sensor's high-speed readout capability and Visibility Enhancer (VE), which provides a high level of chrominance and luminance. And the XDNR function helps to reduce noise and provides clear images in both moving and still objects in low lighting conditions.

12x Effective Power Zoom

The SRG-120DU features a 12x optical zoom and 12x digital zoom to achieve an impressive total of 144x High Power Zoom.



Wide-end



Tele-end

* Simulated images

VISCA-over-IP

This camera can be controlled via the VISCA protocol over IP connections as well as via RS-232. It is also compatible with Sony's RM-IP10 IP Remote Controller to enable comfortable pan/tilt/zoom operation with an optical three-axis joystick.

Additional Features

- Wide Field of View
- High Sensitivity
- Compact and Stylish Design
- Quick and Silent Pan, Tilt & Zoom

Specifications	SRG-120DU
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 720/59.94p, 50p, 29.97p, 25p
Minimum Illumination (50IRE)	1.8 lx (50IRE, F1.8, 30 fps)
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 (50 Hz 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=3.9 mm (Wide) to 46.8 mm (Tele) F1.8 to 2.0
Minimum Object Distance	10 mm (Wide) to 1500 mm (Tele)
Pan/Tilt Angle	Pan: ±100° Tilt: ±25°
Pan/Tilt Speed (Max.)	Pan: 300°/sec Tilt: 126°/sec
Preset Position	16*2
Camera Features	
Auto ICR	No
WDR (View-DR)	Yes
Image Stabilizer	No
Image Flip	No
Auto Power Off	No
Interface	
HD Video Output	USB 3.0
SD Video Output	-
Camera Control Interface	RS-232C/RJ-45
Sync. System	INT
General	
Power Requirements	DC 12 V (DC 10.8 to 13.2 V)
Power Consumption	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)
Dimensions (W x H x D)	6 1/8 x 6 1/4 x 6 1/8 inches (153 x 156 x 153 mm)
Mass	3 lb 8.4 oz (1.6 kg)
Body Color	Silver
Mountable Angle	±15°
Ceiling Mount	No
Supplied Accessories	AC power adaptor (1), IR remote commander unit (1)

*2 Presets x 16 when controlled via VISCA. Presets x 6 when using the supplied IR remote commander.

Back Panel View



USB 3.0
Type-B

VISCA
(Serial)

VISCA
(IP)

Optional Accessory

RM-IP10

IP Remote Controller

- Comfortable P/T/Z operation with the optical three-axis joystick
- Versatile camera adjustment by simple panel operation
- The use of IP technology allows flexible installation and easy operation



*1 Dynamic range performance varies according to camera setting.

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