

SONY



SRG-120DU

USB 3.0 Full HD PTZ Camera

1/2.8-type
Exmor CMOS

12x Optical

16 Presets*1

IP Control

71° Field of
View

1080/60p

View-DR

1.8 lx Min.
Illumination

USB 3.0

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

Sony proudly introduces the **USB 3.0 desktop type Pan-Tilt-Zoom camera SRG-120DU** that achieves superb picture quality utilizing Sony's latest imaging technology and 1080/60p resolution.

The **SRG-120DU** provides outstanding simplicity in bringing professional visual communications to the PC environment by connectivity with software-based videoconferencing systems, **UCC (Unified Communications and Collaborations)** systems and multimedia streaming systems. Therefore, the **SRG-120DU** is an ideal choice for the applications like conference rooms, boardrooms and huddle rooms as well as classrooms and medical spaces.

Simple Connect with USB 3.0

The SRG-120DU provides exquisite operability by the direct connection with a computer via a USB 3.0 interface. With the capability of high-speed data transfer at up to 5 Gbps by USB 3.0, the SRG-120DU transfers uncompressed video signals at 1080/60p.

Excellent Picture Quality

The SRG-120DU incorporates Sony's high-sensitivity 1/2.8-type Exmor™ CMOS sensor and the latest View-DR™ technology. It delivers excellent picture quality in professional remote shooting. View-DR™ function provides an extremely wide dynamic range of 130dB* through Sony's sophisticated image processing technology. 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.

Furthermore XDNR™ function reduces noise and provides clear images in both moving and still objects under low light conditions.



View-DR OFF



View-DR ON

* Simulated images

* Dynamic range performance varies according to camera settings.

1080/60p

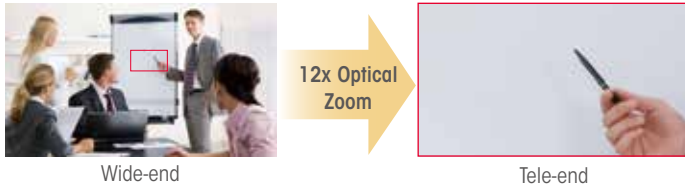
The 1/2.8-type Exmor CMOS sensor achieves superb Full HD (1920 x 1080) picture quality. Furthermore, 60-fps progressive scan technology results in smooth motion with reduced blur. Therefore the SRG-120DU can capture extremely clear images even if an object is moving.

View-DR

Exmor™

12x Effective Power Zoom

The SRG-120DU provides up to 12x optical zoom and 12x digital zoom, which results in tremendous 144x High Power Zoom in total. It's very beneficial when close-up images are required.



* Simulated images

VISCA-over-IP

The SRG-120DU can be controlled via the VISCA™ protocol over IP connections, as well as a RS-232. It is compatible with Sony's RM-IP10 IP Remote Controller to enable comfortable pan, tilt, and zoom operation with an optical three-axis joystick.

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) ~ 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 Stabilizer	No
Image Flip	No
Auto Power Off	No
Night Power Off	No
Interface	
HD Video Output	USB 3.0
SD Video Output	-
Camera Control Interface	RS-232/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	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)	153 x 156 x 153 mm (6 1/8 x 6 1/4 x 6 1/8 inches)
Mass	1.45 kg (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)

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

Other Features

• Wide Field of View

The SRG-120DU provides a wide horizontal viewing angle of 71 degrees. It's ideal for the usage at small- and mid-sized rooms.

• High Sensitivity

The SRG-120DU provides superb sensitivity of minimum illumination 1.8 lx, which enables capturing images in low light environments.

• Compact and Stylish Body

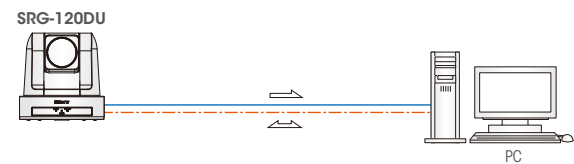
Its all-in-one compact and lightweight design makes this camera easy to install in a variety of locations.

• Quick and Silent Pan, Tilt, and Zoom

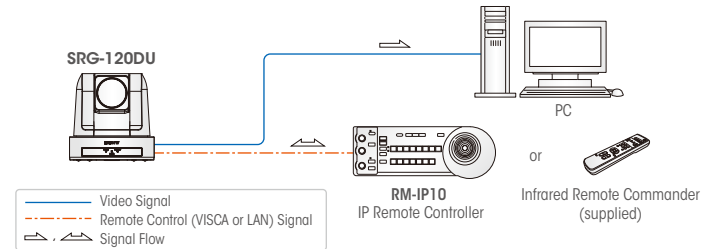
The SRG-120DU features quick and silent pan, tilt, and zoom capabilities. It's ideal for use in noise-restricted environments such as classrooms and meeting rooms.

System Configurations

Software-based Videoconferencing Systems and UCC Systems



Multimedia Streaming Systems



Peripheral Equipment



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

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The values for mass and dimension are approximate.

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