

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.

The SRG-120DU USB PTZ Camera is the newest member to join Sony's SRG PTZ high-definition remote-operation camera line-up. This affordable professional 1080/60p Full HD USB 3.0 PTZ camera is designed to easily interface with a dedicated computer system, as it uses the same USB technology that's available on most computers.

Plug-and-play simplicity is ensured by uniting professional visual communications with typical PC environments. The SRG-120DU enables connectivity with software-based videoconferencing systems, UCC (Unified Communications and Collaboration) systems, and multimedia streaming systems.

Now you can convert any boardroom, meeting room, classroom, courtroom, 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™

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 provides an extremely wide dynamic range of 130 dB*² 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.

Furthermore, the XDNR function reduces noise and provides clear images in both moving and still objects in low lighting conditions.

*² Dynamic range performance varies according to camera settings.



View-DR OFF



View-DR ON

* Simulated images

1080/60p

The 1/2.8-type Exmor CMOS sensor achieves superb Full HD (1920 x 1080) picture quality and incorporates 60-fps progressive scan technology. This winning combination results in the capture of smooth, clear images and reduced blur, especially on moving objects.

View-DR

Exmor™

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. You will see the extraordinary benefit of this in your close-up images.



* 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, 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) to 1500 mm (Tele)
Pan/Tilt Angle	Pan: ±100° Tilt: ±25°
Pan/Tilt Speed (Max.)	Pan: 300°/sec Tilt: 126°/sec
Preset Position	16*1
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-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	1.6 kg (3 lb 8.4 oz)
Body Color	Silver
Mountable Angle	±15°
Ceiling Mount	No
Supplied Accessories	AC power adaptor (1), IR remote commander unit (1)

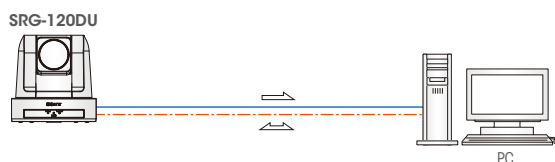
*1 Presets x 16 when controlled via VISCA. Presets x 6 when using the supplied IR remote commander.

Other Features

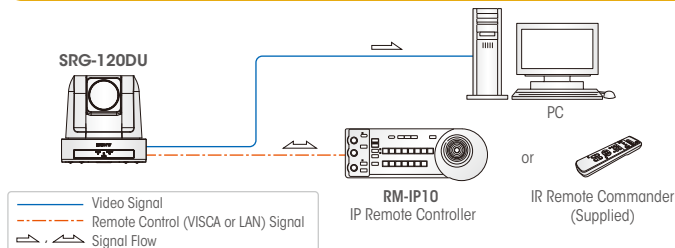
- Wide Field of View**
 With its wide horizontal viewing angle of up to 71 degrees, the SRG-120DU is ideal for small to mid-sized rooms.
- High Sensitivity**
 The SRG-120DU provides superb sensitivity with a minimum illumination of 1.8 lx, enabling you to capture clear images in low light environments.
- Compact and Stylish Design**
 You'll find it's easy to install this all-in-one compact, lightweight camera in a variety of locations.
- Quick and Silent Pan, Tilt & Zoom**
 As the SRG-120DU features quick and silent pan, tilt, and zoom capabilities (less than 35 dB), it is ideal for noise-restricted environments such as hospitals, classrooms and meeting rooms.

System Configurations

Software-based Videoconferencing and UCC Systems



Multimedia Streaming Systems



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

©2015 Sony Corporation. All rights reserved.

Reproduction in whole or in part without written permission is prohibited.

Features, design, and specifications are subject to change without notice.

The values for mass and dimension are approximate.

"SONY", "Exmor", "XDNR", and "View-DR" are trademarks of Sony Corporation.

All other trademarks are the property of their respective owners.

Distributed by