

SRG-300SE

Full HD remotely controlled 3G-SDI PTZ colour video camera

The ideal solution
for video and
data capture


View-DR
Exmor iPELA

Key Features

Excellent Picture Quality

The desktop or ceiling mountable SRG-300SE Full HD PTZ colour video camera uses our latest technology to deliver exceptional image quality:

View-DR: expands the dynamic range for clearer images under harsh backlighting and when extremes of light and dark appear in the same scene.

Exmor™ CMOS sensor: provides excellent low-light sensitivity with high-speed readout capability for high-level chrominance and luminance.

XDNR™: reduces image noise for crisp reproduction of still and moving objects in poorly-illuminated rooms, even when digital zoom is used.

Share a clearer, sharper image

Capture and share exceptional Full HD images at 60 frames per second with the SRG-300SE PTZ (Pan-Tilt-Zoom) colour video camera. This versatile video camera uses Sony's latest technology to deliver high-quality 1080/60p pictures and crisp AAC digital audio that can be **live-streamed simultaneously via IP and 3G-SDI**.

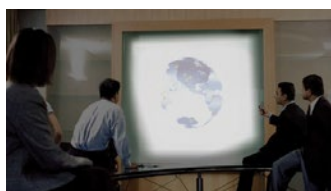
Wide view, powerful zoom, silent operation

With a wide viewing field, 30x optical and 12x digital zoom and smooth, silent PTZ operation, it's an ideal camera for lecture theatres, corporate boardrooms and training suites. Unique features also include Sony's View-DR technology, which ensures clear images even under harsh backlighting or when extremes of light and dark appear in the same scene.

Perfect for presentations, lectures and webcasts

Controlled remotely over standard IP networks, the SRG-300SE can be used as either a primary or secondary camera in a wide range of visual applications, from videoconferencing to remote monitoring. With low latency, content can confidently be broadcast live to an internet audience while also being recorded to disc for editing and archive.

View-DR & XDNR™ Technology



View-DR OFF



View-DR ON

simulated images

SRG-300SE

Remote desktop or ceiling-mountable camera: 30x optical zoom

**Applications:**

With a 30x optical zoom capability (360x with digital zoom), the SRG-300SE is ideal for medium to large venues such as stadiums, auditoriums and large classrooms.

1/2.8-type
Exmor CMOS

30x Optical

IP Control
and StreamingCeiling
mountable

1080/60p

View-DR

1.4 lx Min.
Illumination**Key features****Full HD resolution at 60fps**

The SRG-300SE provides an exceptionally clear, Full HD picture at 1920 x 1080 resolution with 60 frames per second for smooth, fluid reproduction of movement and reduced blur. It offers outstanding professional quality for remote shooting, ensuring every presenter, participant or audience member can be seen more clearly.



Interlace



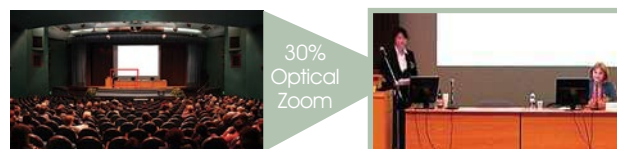
Progressive

TIMELINE

simulated images

30x High Power Zoom

Perfect for frame-filling, detailed close-ups, even in large meeting rooms and auditoriums. The powerful 30x optical zoom is further boosted by a 12x digital zoom. Responsive auto-focus ensures image sharpness, even at high zoom.



Wide-end

Tele-end

simulated images

Reduced image noise: XDNR

XDNR technology reduces image noise for crisp reproduction of still and moving objects in poorly-illuminated rooms.

Wide field of view

With a wide 65-degree horizontal viewing angle, every participant can be seen, even in large lecture halls and conference venues.

Fast, silent PTZ

A powerful direct drive motor ensures quick, quiet and accurate operation during pan, tilt and zoom targeting – vital in noise-restricted environments like classrooms and meeting rooms.

Highly sensitive: Exmor™ CMOS

Full HD resolution and 60p frame rate are achieved with Sony's high-sensitivity Exmor™ CMOS image sensor. It ensures clear pictures even in low light where other cameras struggle (minimum illumination is 1.4 lx).

Unique: View-DR

Unique to Sony, View-DR technology expands the dynamic range to produce a clear image under harsh backlighting and when extremes of light and dark appear in the same scene.

PrimeSupport

Easy desktop or ceiling mounting

All-in-one compact and lightweight design with image E-flip so the camera can be sited on a boardroom table or ceiling while maintaining proper image orientation. Available in white as well as black, for unobtrusive ceiling mounting.

Enhanced audio

Audio and video can be naturally reproduced with optimally minimised processing latency. Accurate audio/video synchronisation is achieved using the camera's time stamp feature in the network-attached recorder. A microphone (optional) can also be connected for further audio enhancement.

Simple controls

Via VISCA over IP and RS-422 remote protocols. PC control software provides an intuitive interface for easy, remote adjustment of basic and advanced camera settings such as colour adjustment and pan/tilt speed.

256 programmable pre-sets

Store and instantly recall up to 256 camera positions from a networked PC and web browser.

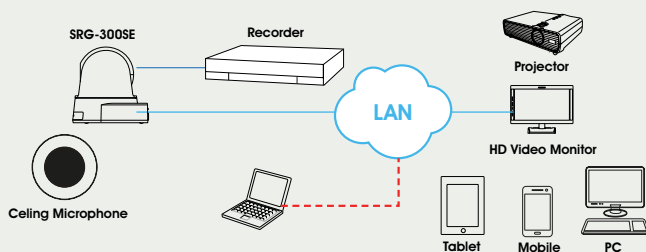
PrimeSupport for extra peace of mind

To keep you up and running, SRG-300SE video cameras come as standard with a 3-year PrimeSupport package. This includes repair or replacement in the event of a faulty unit, plus free telephone helpdesk support in English, German, French, Italian and Spanish. For full details please visit www.pro.sony.eu/primesupport

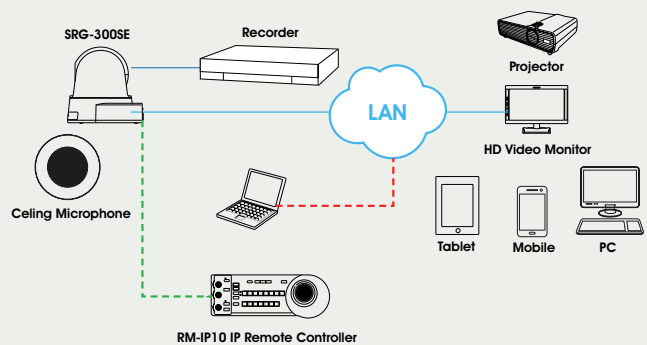
The ideal solution for video and data capture

System configuration

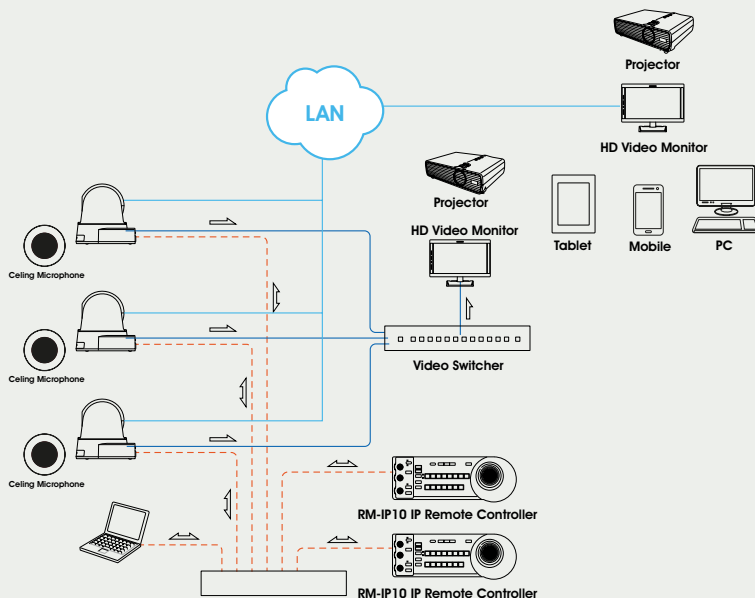
CGI Command



With RM-IP10 Remote Control



With Multiple Remote Controllers and Cameras

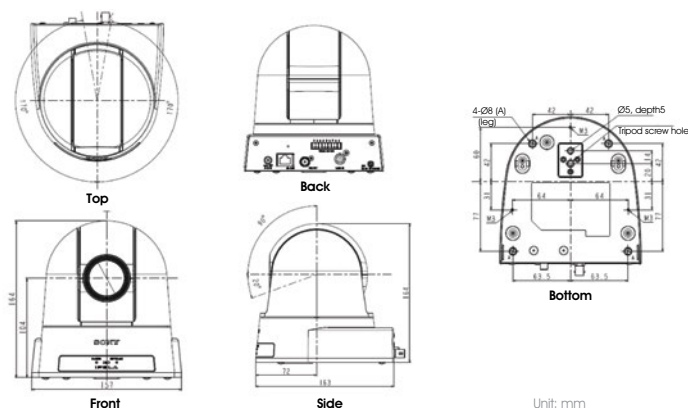


Specifications

SRG-300SE	
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)	1.4 lx (50IRE, F1.6, 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	30x
Digital Zoom	12x
Focusing System	Auto/Manual
Horizontal Viewing Angle	63.7 degree (Wide)
Focal Length	f=4.3 mm (Wide) to 129 mm (Tele) F1.6 to 4.7
Minimum Object Distance	10 mm (Wide) ~ 1200 mm (Tele)
Pan/Tilt Angle	Pan: ±170° Tilt: +90°/-20°
Pan/Tilt Speed (Max.)	Pan: 100°/sec Tilt: 90°/sec
Preset Position	256
Camera features	
Day/Night ICR	Yes
Wide-D	Yes (View-DR)
Noise Reduction	Yes
Image Stabilizer	Yes
Image Flip	Yes
Superimpose Number	3 independant positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independant position for a log mark
Superimpose Language	English
Menu Language	English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Korean, Portuguese, Russian, Arabic, Hindi, Vietnamese, Thai
Smartphone Viewer	Yes
Video	
Resolution	1920 x 1080, 1280, 720, 10204 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184 (H.264, JPEG)
Compression Format	H.264, JPEG
Maximum Frame Rate	H.264: 60 fps (1920 x 1080) JPEG: 30 fps (1920 x 1080)
Bitrate Compression Mode	CBR/VBR (selectable)
Range of Bitrate Setting	64 Kbps to 32 Mbps
Image Cropping	No
Solid PTZ	Yes
Adaptive Rate Control	H.264
Bandwidth Control	JPEG
Multi Streaming Capability	Triple Streaming
Number of Clients	20

Audio	
Compression Format	AAC-LC (64kbps/128bps)
System Requirements	
Operating System	Mac OS (Plug-in free viewer only), Android/iOS (Smart phone viewer only), Windows Vista (32 bit) Ultimate (Business Edition), Windows 7 (32/64 bit) Ultimate (Professional Edition), Windows 8 Pro (32/64 bit), Microsoft DirectX 9.0 <
Processor	Intel Core i7 2.8 GHz <
Memory	2 GB <
Web Browser	Microsoft Internet Explorer Ver. 8.0, 9.0, 10.0, 11.0. Firefox Ver. 19.02 (Plug-in free viewer only). Safari Ver. 5.1 (Plug-in free viewer only). Google Chrome Ver. 25.0 (Plug-in free viewer only).
Network	
Protocols	IPV4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, IPv6, HTTPS, SNMP (v1, V2c, V3), SSL
QoS	DiffServ(DSCP)
Multicast Streaming Support	Yes
ONVIF Conformance	No
Wireless Network	No
Authentication	IEEE802.1X
Interface	
HD Video Output	3G-SDI
SD Video Output	-
MIC Input	Mini Jack (Monoral): 2.5 V DC plug-in power
Line Input	RCA (Monoral)
Network Port	10BASE-T / 100BASE-TX (RJ-45)
Serial Interface	RS-422
General	
Power Requirements	DC 12 V (DC 10.8 ~ 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)	157 x 164 x 163 mm (6 1/4 x 6 1/2 x 6 1/2 inches)
Mass	1.4 kg (3 lb 1.4 oz)
Body Colour	White/Black
Wide Conversion Lens Attachable	No
Mountable Angle	< ±15°
Ceiling Mount	Yes
Supplied Accessories	AC power adaptor (1) AC power cable (1) RS-422 connector plug (1) Ceiling bracket (2) Wire rope (1) Screw M3×8 (8)

Dimensions



Unit: mm

For full features visit www.pro.sony.eu/products/visual-communications

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