SONY

SRG-A12

PTZ Auto Framing Camera with
AI Analytics, 12x optical zoom,
and NDI®| HX capability

Overview

A Camera that Automatically and Naturally Shoots Video for you

With the advanced PTZ Auto Framing feature, the camera automatically track the target in a comfortable viewing with smooth pan, tilt, zoom movement regardless of posture, movement and what they are wearing. Since there is no need for dedicated operator, there is system cost advantage.

The SRG-A12 harnesses powerful AI-powered video analytics that can automatically detect and track the position of a presenter within the camera frame. As the presenter moves, the camera's pan/tilt/zoom mechanism ensures that the presenter is always framed accurately and naturally, without the need for a human camera operator to manually follow their movements.

Features

Automatic and reliable
With Sony's newly developed AI Analytics unit, it detects the subject's skeleton and tracks the subject, even when there are several people in the frame.

Choice from three shooting modes
The SRG-A12 has a choice of three shooting modes; Full body, Waist, and Close up. In each mode, you can select the center, left, or right angle of view, and the SRG-A12 can automatically track

the subject in the selected optimal position.

Integrated tally lamp

The SRG-A12 features a built-in tally lamp, just like you'd find on professional studio cameras. The lamp illuminates to give presenters visual confirmation of shooting status, or to show that PTZ Auto Framing mode is active. The lamp colour will change from Red (standby) to Green (PTZ Auto Framing ON).

High speed pan/tilt

Speedy, precise pan/tilt operation ensures that the camera can accurately keep track of the presenter's movements.

Wide angle zoom lens

As well as powerful close-ups, the SRG-A12 can capture broad shots of the presenter or audience with a wide field of view.

Clear Zoom

Digital plus optical zoom increase maximum magnification to a huge 24x for frame-filling close-ups without reducing resolution.

4K Exmor R sensor

The highly sensitive 1 /2.5-type image sensor captures crisply-detailed 4K video with extremely low picture noise, even when shooting in low light.

IP streaming

Stream 4K 30p video from the camera with support for popular IP protocols – ideal for live events and webcasts.

PoE++ support

Support for next-generation Power over Ethernet simplifies installation, with camera power, control and IP video all carried by a single LAN cable.

HDMI/SDI outputs

As well as live streaming over IP, the camera can simultaneously

output video via HDMI and SDI for conventional production.

Picture Setting File
Easily copy picture settings across multiple cameras for quick, convenient set-up in multi-camera shooting environments.

Remote control of PTZ operation
Pan/Tilt/Zoom camera movements and other functions can all be precisely controlled using the supplied IR remote commander, for convenient wireless control of PTZ functions without needing additional equipment. It can also be controlled using the optional additional IP500 remote controller, just like professional broadcast cameras.

Convenient control from PC or tablet
Camera functions can also be controlled remotely from a networked PC or tablet* using our intuitive app.
*Windows only

Easy ceiling mounting
The camera comes supplied with a mounting plate for convenient ceiling installation if required.

Light, compact design
The camera's stylish, compact body fits unobtrusively into any environment.

Choice of colour finishes
The SRG-A12 is available in a choice of black or while colour finishes, to suit the needs of any application.

Specifications

General	
Mass	Approx. 2.0 kg Approx. 4 lb 6.5 oz

SONY

Dimensions (W x H x D)*a	Approx. 156.7 × 184.0 × 200.0 mm Approx. 6 1/4 × 7 1/4 × 7 7/8 inches
Power Requirements (DC In)	DC 19.5 V
Power Requirements (PoE)	PoE++ (IEEE 802.3bt Type 4 Class 8 compliant)
Power Consumption (DC In)	≦80 W (DC 19.5 V)
Power Consumption (PoE)	≦71.3 W (PoE++)
Operating Temperature	0 °C to 40 °C 32 °F to 104 °F
Storage Temperature	-20 °C to +60 °C -4 °F to +140 °F
Quietness *b	NC30 or less
Body Color	Black / White

Camera

Imaging Device (Type)	1/2.5 ExmorR CMOS sensor
Number of Pixels (Maximum Effective)	Approx. 8.5 megapixels

F-number (Maximum aperture)	F2.0 to F3.7
Focal Length	f = 4.4 to 52.8 mm
Focal Length (35mm format equivalent)	26.8 to 322.8 mm
Focus range (from the front of the lens)	Approx. 80 mm to infinity
Horizontal Viewing Angle	Approx. 70.0 deg.
Optical Zoom	12x
Clear Image Zoom	No
Digital Zoom	No
Tele Convert Mode *c	Yes (2.0x)
Focusing System	Auto / Manual
Minimum Illumination *b	1.6lx (F2, SS=1/30s, 50IRE, high-sensitivity OFF)
Exposure Control	Auto / Manual / Priority AE (Shutter, Iris)
	Auto / Manual

Gain	0 dB to + 48 dB (high-sensitivity ON)
Shutter Speed	1/1 to 1/10000 sec
White Balance	Auto1 / Auto2 / One Push WB / Indoor / Outdoor /Manual
Color Temperature Range	No
Base Look	No
Soft Skin Effect	No
Built-in ND filter	No
Night Shot	No
Auto ICR (Auto mode of IR Cut filter Removal)	Yes
Day/Night	Yes
Visibility Enhancer	Yes
Image Stabilizer	Yes
Image Flip	Yes
Picture Setting File	Yes

Pan-Tilt

Pan Angle	-170 deg. to 170 deg.
Tilt Angle	-20 deg. to 90 deg.
Pan Speed	0.5 deg./sec to 300 deg./sec
Tilt Speed	0.5 deg./sec to 126 deg./sec
Ramp Curve	1 steps
Preset Position	256 (CGI) / 100 (VISCA)
Preset Speed Unit	Speed
Picture Freeze Preset	Yes
PTZ Motion Sync	Yes
PTZ Trace	No

Interface

SDI Output	SDI OUT: BNC (x1), 3G-SDI (Level A / B), HD-SDI
HDMI Output	Type-A connector (x1)
Optical Output	No
UVC Output	No
	1920 x 1080 / 59.94p, 50p, 59.94i, 50i,

Output Format SDI OUT	29.97p, 25p, 23.98p 1280 x 720 / 59.94p, 50p
Output Format HDMI OUT	3840 x 2160 / 29.97p, 25p, 23.98p, 1920 x 1080 / 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98p 1280 x 720 / 59.94p, 50p 720 x 480 / 59.94p 720 x 576 / 50p
Output Format SFP+	No
Audio Input	3.5 mm Stereo Minijack x1 (Mic / Line Selectable)
Sync. System	Internal
Genlock Input	No
TC Input / TC Output	No
VISCA In / Out	RJ-45 (VISCA IN) (x1) RJ-45 (VISCA OUT) (x1)
Network	RJ-45 (LAN) (x1), 1000BASE-T
Option	No
IR Remote Control	Yes
DC Input	IEC60130-10 (JEITA standard RC-5320A) Type5 (x1)

Tally Ramp	Center (x1), Red / Green

Recording

Recording Function	No

Network/IP Streaming

Network / Transmission Protocols for IPv6	ICMPv6, MLD, TCP, UDP
Network / Transmission Protocols for IPv4	ARP, ICMP, IGMP, TCP, UDP
Application Protocols for IPv6	DHCPv6, DNS, mDNS, NTP
Application Protocols for IPv4	DHCP, DNS, mDNS, NTP
Control Protocols	HTTP / HTTPS, VISCA over IP
Streaming Protocols	RTP / RTCP, RTSP, RTMP / RTMPS, SRT, NDI|HX
IP Stream Video Resolution	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360

IP Stream Compression Format	H.264: High / Main / Baseline Profile H.265: Main Profile
IP Stream Maximum Frame Rate	H.264: 60 fps H.265: 60 fps
IP Stream Bitrate Control Mode	CBR / VBR
IP Stream Range of Bitrate Setting	512 Kbps to 50 Mbps
NDI|HX Capability	Yes *e
Camera Tracking Data	No

Web App	
Supported Operation System (Windows)	Windows 10 or later
Supported Operation System (Mac)	macOS 11 or later
Supported Operation System (iPad)	iPadOS 16 or later
Supported Operation System (Android)	Android 12 or later
Supported Web	Google Chrome, Edge

Browsers (Windows)	
Supported Web Browsers (Mac)	Google Chrome
Supported Web Browsers (iPad)	Google Chrome, Safari
Supported Web Browsers (Android)	Google Chrome

PTZ Auto Framing

PTZ Auto Framing (Single-Person)	Yes
Multi-person Framing	Yes (8)
PTZ Auto Framing (Pause)	No
PTZ Auto Framing (AF Sync)	No
Composition Preset	Yes
Lead Room Effect	Yes
Face Registration	Yes
Tracking Range	Yes
Fixed Angle Position	Yes

Detection Part	Face

Mount

Ceiling Mount	Yes (with Ceiling Bracket)
Mountable Angle	$\leqq \pm 15°$
Tripod mounting screw holes	1/4-20 UNC (x1)
Screw holes for external devices	No

Supplied Accessories

Supplied Accessories	AC power adaptor (x1) Remote commander (RMT-RC2) (x1) Ceiling bracket A (x1) Ceiling bracket B (x1) Screw (M3x8) (x9) Screw (M2.6x6 Black) (x1) Wire rope (x1) QR code sticker (x1) Warranty booklet (x1) Safety regulation (*d) Download site information (x1) AC power code (x1)

Notes	
*a	Without projecting object
*b	Sony measurement conditions
*c	1920x1080 Only
*d	Varies by country of sale
*e	Version 3.0 or later is required.

Gallery

15