

# PTZ and Remote Cameras



**SONY**



# PTZ and Remote Cameras

Sony's professional 4K and Full HD PTZ and Remote Cameras take your video creation to a new level.

Smooth, silent operation combined with a powerful zoom range: you'll capture every presenter and contributor with crisp clarity using our PTZ cameras.

The PTZs feature built-in AI PTZ Auto-framing\*, XDNR\* and Clear Image Zoom\* technology from Sony, ensuring you capture clarity at distance or in poor light environments.


The PTZs Exmor R™ CMOS sensor\* ensures high quality 4K\* images with less noise.


The PTZs support multiple camera control protocols, multi stream codec as well as NDIHX\* offering great compatibility and flexible IP.

Control is easy, over standard IP networks as well as the ability to stream\* video over the same network connection.

\*Camera model dependent



 PrimeSupport Pro	
Reference	Included service
Duration	3 years Standard Repair

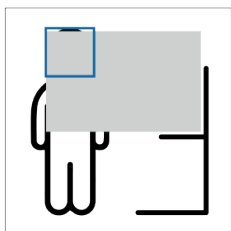
 PrimeSupport Elite	
Reference	PSP.SRG.2X
Duration	2 years Advanced Replacement



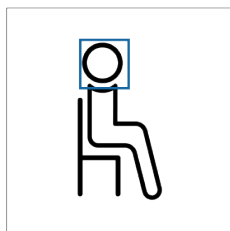
# What is AI auto-framing?

Consistently detects and tracks in challenging conditions

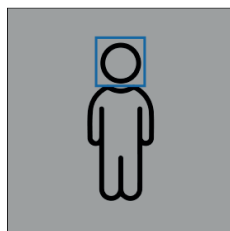
The AI-powered tracking enables the camera to closely follow subject at all times – even in challenging conditions, such as when a subject’s face is obscured. PTZ Auto Framing is even capable of tracking a specific person within a group.



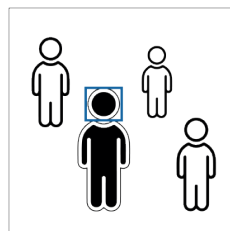
Hidden



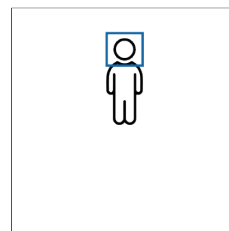
Facing backwards or sideways



Low light condition



Multiple people



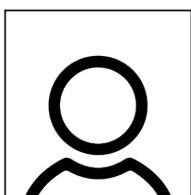
Small subject\*

\* The camera will begin tracking at the designated angle and composition when PTZ Auto Framing starts.

## Maintains desired framing naturally

Our PTZ Auto Framing makes high-quality, automated camera work a reality for real-world productions. Your camera maintains a set composition and angles, while delivering framing that feels natural and intentional—even as your subject moves.

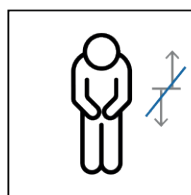
You’ll be able to handle close-ups too, as PTZ Auto Framing dramatically reduces the risk of subjects moving out of frame due to delayed tracking. Or you can stabilise your camera angle for small movements that you don’t want to track. And we will continue developing our analytics technology to enhance the capabilities of our automatic tracking solutions, catering for productions of all sizes.



Close up angle

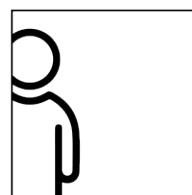


Fast moving object

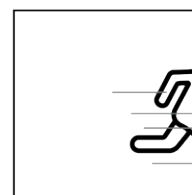


Small movement

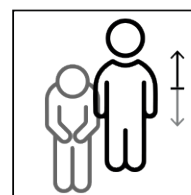
PTZ Auto Framing



Close up angle



Fast moving object



Small movement

Conventional auto-tracking

# Applications of PTZ cameras

## Where can we help?

Easy to install, operate and manage, our remote cameras bring impressive quality and production flexibility to a wide range of content creation applications.



### Education

Deepen student-teacher interaction and create powerful new learning experiences.

Our remote cameras realise every subtle gesture of lecturers as they're presenting, together with reactions from the audience.

Preset camera positions allow near-instantaneous switching between presenter, whiteboard and students.



### Business conferencing

Add more impact to meetings, allowing remote presenters and participants to see and be seen clearly, even under subdued boardroom lighting.

Zoom in for tight close-ups of individual speakers and objects, or capture a wider viewpoint that includes everyone in the room.



### Government

Create a definitive record of parliamentary and council meetings.

Document the remarks of every speaker without intruding on the proceedings.

Camera position presets can switch smoothly between views of the meeting chair, speaker and other council members, with no need for dedicated operators in the room.



### Small studios

Create high-quality content without needing large production teams.

Pan, tilt and zoom smoothly between preset camera positions at the touch of a button.

Our compact PTZ cameras are ideal for smaller studio spaces, or for socially distanced productions where you need uncompromised image quality.



### Reality shows

Create impactful entertainment that gets closer to the action.

Our compact, discreet cameras shoot high-quality footage that captures the talent's natural reactions without distracting them.

A solo operator can control multiple cameras, with smooth, speedy transitions ensuring there's no risk of missing priceless moments.



### Houses of worship

Capture professional-quality pictures without distracting from the dignity of the occasion.

Shoot crisply-detailed video for recording or stream live to a remote audience.

Unattended cameras can be discreetly installed in hard-to-reach places, covering any size of worship space with powerful zoom for frame-filling close-ups.

# PTZ Auto Framing cameras with AI Analytics



With the advanced built-in AI PTZ Auto Framing technology, the camera automatically tracks targets using multiple recognition methods and AI analytics to provide natural framing. The new firmware v2.0 adds support for multi-person framing and face registration.



Specifications	SRG-A40	SRG-A12
<b>Analytics</b>	<b>Built-in AI PTZ Auto Framing</b> Skeletal detection / Head detection / Detail feature detection (colour & texture of outfit / Face Recognition)	
<b>Interface</b>	HDMI, 3G-SDI and IP	
<b>Sensor</b>	1/2.5 type ExmorR CMOS	
<b>Signal format</b>	2160/29.97p, 25p, 23.98p (HDMI and IP only) 1080/59.94p, 50p, 29.97p, 25p, 23.98p 1080/59.94i, 50i, 720/59.94p, 50p	
<b>NDI® HX</b>	Yes (Optional)	
<b>IP Video Streaming</b>	RTSP / SRT	
<b>Zoom</b>	30x (4K with CI2*)/40x (FHD with CI2), Max. 80x (with CI2 and Tele Convert Mode) 20x optical	12x, Max. 24x (with Tele Convert Mode)
<b>Pan/Tilt Speed</b>	Max. Pan: 300°/sec / Max. Tilt: 126°/sec	
<b>Horizontal Viewing Angle</b>	Approx. 70.0 degree (Wide)	
<b>Preset Position</b>	256 (CGI), 100 (VISCA)	
<b>Broadcast Picture Adjustment</b>	No	
<b>Audio Input</b>	Yes (2ch)	
<b>Genlock</b>	No	
<b>Power</b>	DC 19.5 V, PoE++	
<b>Control</b>	VISCA RS-422 RJ45(In/Out) VISCA over IP RJ45	
<b>Ceiling Mount</b>	Yes	
<b>Tally lamp</b>	Front x 1 Red/Green (for PTZ Auto Framing)	
<b>New firmware v2.0 features</b>	Multi-person framing / Face registration / Improved operability More intuitive composition settings via Web app / Change composition settings when PTZ Auto Framing is running	



## SRG PTZ Series



Ideal for a wide range of applications - from classrooms and meeting spaces to houses of worship, lecture halls and medical environments. The SRG Series feature smart monitoring features and standard compliance for easy network integration.



Specifications	SRG-X40UH
Interface	HDMI/USB (4K output via HDMI only)
Sensor	1/2.5 type Exmor R CMOS
Signal format	2160/29.97p, 25p
	1080/59.94p, 50p, 29.97p, 25p
	1080/59.94i, 50i
	720/59.94p, 50p
NDI® HX	No
IP Video Streaming	No
Zoom	30x (4K with ClZ)/40x (HD with ClZ) 20x optical
Pan/Tilt Speed	Max. Pan: 300°/sec / Max. Tilt: 126°/sec
Horizontal Viewing Angle	Approx. 70 degree (Wide)
Preset Position	100 (VISCA)
Broadcast Picture Adjustment	No
Audio Input	No
Genlock	No
Power	DC 12 V, PoE+
Control	RS-422, RJ-45 VISCA over IP, UVC (USB Type-C), IR (OSD)
Ceiling Mount	Yes

For full product specifications and features please visit [pro.sony/network-camera-systems](https://pro.sony/network-camera-systems)

# Built-in AI PTZ auto-framing with flagship image quality



The BRC-AM7 is an advanced PTZ camera with built-in AI analytics for auto-framing, delivering flagship image quality. It offers high interoperability with other production systems, making it ideal for applications such as live sports, studio productions, corporate conferencing events, houses of worship, and more.

Excellent image quality	BRC-AM7
Exmor RS™ x BIONZ XR™	<b>1.0-type 14.0 megapixel</b> stacked Exmor RS CMOS sensor A high processing image engine delivers high sensitivity and low noise
4K60p / HDR	<b>5K oversampling</b> delivers high-resolution, high-detail in 4K footage Immersive viewing with broad dynamic range, and wide color gamut.
Newly designed lens block	<b>Optical zoom 20x</b> (4K:720mm/FHD: 960mm with Clear Image Zoom)*1 Seamless ND adjustment with Sony's electronically controlled ND filter

Authentic PTZ Auto Framing	BRC-AM7
Unique built-in AI	<b>Automatically tracks</b> aimed person consistently and naturally frames for comfortable viewing, regardless of posture and movement.
Accurate AF tracking	<b>Focal plane phase-detection AF</b> enables consistently accurate AF tracking. Cooperative control of AF and PTZ Auto Framing
Next-Gen PT mechanism	<b>Newly developed axial-gap BLDC*2 motors</b> using direct drive system Wide range of PT speed(0.004-180deg/sec) and quiet (NC25 or less)

System interoperability for professional workflow	BRC-AM7
Seamless multi-camera operation	<b>Color matching with HDC/Cinema Line</b> [ITU709/709tone,S-Cinetone™,S-Log3] <b>Compatible with RCP/MSU</b> in production systems [S700PTP]
Installation freedom & flexibility	<b>Compact and lightweight body</b> Standard 1/4-20 UNC screw socket and 3/8 screw socket
Versatile I/Fs and protocols	Variable output I/F [12G-SDI + 3G-SDI+HDMI, IP, SFP slot] Recordable with <b>dual media slots</b> [CFEX-A /SDXC] Meet de facto standard [4p XLR-DC12V, Audio 2x3p XLR, TC IN, Genlock]
Effective Production	Support IP streaming [RTSP, NDI HX™, SRT, RTMP(S) ] <b>free-d</b> compliant real-time camera tracking data output over IP

\*1 35mm full-frame equivalent

\*2 Brushless DC



## BRC PTZ Series



From TV studios and sports stadiums to auditoriums, lecture theatres and houses of worship – our sophisticated, dependable BRC remote cameras capture and stream broadcast-quality video footage in detail-packed 4K or Full HD.



Specifications	BRC-X1000	BRC-H800	BRC-X400
Interface	3G-SDI x2, HDMI <sup>*1</sup>	3G-SDI, HDMI	3G-SDI, HDMI, IP
Sensor	1.0-type Exmor R CMOS	1.0 type Exmor R CMOS	1/2.5 type Exmor R CMOS
Signal format	2160/29.97p, 25p, 23.98p 1080/59.94p, 59.94i, 50p, 50i, 23.98p 720/59.94p, 50p	1080/59.94p, 59.94i, 50p, 50i, 23.98p 720/59.94p, 50p	2160/29.97p, 25p, 23.98p (HDMI and IP only), 1080/59.94p, 50p, 29.97p, 25p, 23.98p 1080/59.94i, 50i 720/59.94p, 50p
NDI® HX	No	No	Yes (Optional)
IP Video Streaming	No	No	RTSP / RTMP(S) / SRT
Zoom	18x (4K with CIZ)/24x (HD with CIZ), Max. 48x (Tele Convert Mode) 12x Optical	24x (with CIZ), Max. 48x (Tele Convert Mode) 12x Optical	30x (4K with CIZ)/40x (HD with CIZ), Max. 80x (Tele Convert Mode) 20x Optical
Pan/Tilt Speed	0.3°/sec – 60°/sec		Max. Pan: 300°/sec Max. Tilt: 126°/sec
Horizontal Viewing Angle	Approx. 64.6 degree (Wide)	Approx. 64.6 degree (Wide)	Approx. 70.0 degree (Wide)
Preset Position	100		256 (CGI), 100 (VISCA)
Broadcast Picture Adjustment	Gamma/Knee/Detail/ Black gamma/Colour matrix		Gamma/Knee/Black Gamma/Colour Matrix
Audio Input	No		Yes (2ch)
Genlock	Yes		
Power	DC12 V, PoE+	DC12 V, PoE+	DC12 V, PoE+
Control	VISCA RS-422 RJ45 (In/Out) VISCA over IP RJ-45		VISCA RS-422 RJ45 (In/Out) VISCA over IP RJ-45 S700TP RJ-45
Ceiling Mount	Yes		

\*1 with Dual link 3G-SDI (ZSI only) for 4K video output

For full product specifications and features please visit [pro.sony/network-camera-systems](http://pro.sony/network-camera-systems)

# RM-IP10



Up to 5 controllers can operate on a single network

- Up to 5 RM-IP10 control panels can be used on a single network allowing shared control and simultaneous multi-operator control of large camera systems.

Control of up to 112 SRG/BRC cameras via IP

- The RM-IP10 remote control panel gives you control of up to 112 BRC cameras over an IP network.

Simple RJ-45 (10Base-T/100Base-TX) connection for easy connection

- The RM-IP10 links to an IP network with via a RJ-45 connector providing very easy, low cost and speedy installation.

Additional ability to use VISCA control

- The RM-IP10 can also control up to 7 SRG/BRC cameras over a traditional VISCA (Video System Control Architecture) network.

# RM-IP500



Control up to 100 BRC or SRG cameras via IP

- The remote controller allows control of pan, tilt, zoom and other functions of up to 100 Sony BRC or SRG Series PTZ cameras over an IP network.

High-quality control of PTZF functions

- Pan and tilt adjustment with joystick.
- Zoom control either via joystick or a separate seesaw lever.
- Adjustable speed control of PTZF via dedicated dials.

Store and recall camera presets

- Up to 100 presets (camera angles and settings) can be stored.
- Presets can be recalled instantly via the numeric keypad.

Simple set-up

- Automatic IP address assignment of connected cameras.
- Auto assignment of camera.

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