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12G



4K Auto-Tracking PTZ Cameras PTC-600/ 600G/ 600T

The PTC-600 4K Auto-Tracking PTZ camera features a professional and high-end design, making it suitable for large-scale events such as performance halls, stadiums, lecture theaters, and corporate presentations. Its robust and aesthetically pleasing design is paired with a 30X optical zoom, delivering rich image depth and vibrant color reproduction even in low-light environments. Additionally, it offers next-generation AI tracking capabilities, ensuring smooth camera movement and natural framing, which enhances the visual presentation and supports high-quality live video production.

Product Features

- Next-generation AI auto-tracking, delivering a new visual experience.
- 30X optical zoom, providing high-definition image quality from long distances.
- Equipped with a 1/1.8" CMOS sensor, ensuring excellent performance even in low-light environments.
- Capable of simultaneous streaming to two different platforms without additional encoders.
- Dual-mode Line/Mic audio input offers you clear and high-quality audio.



PTC-600 Rear



PTC-600T Rear (HDBaseT Output)



PTC-600G Rear
(12G-SDI Output)



	PTC-600	PTC-600-HDBaseT	PTC-600-12G SDI
Product Name	4K PTZ Camera	4K PTZ Camera-HDBaseT	4K PTZ Camera-12G
Video format/Resolution	HDMI: 2160p60/59.94/50/30/29.97/25 (2160p60/59.94/50 YUV 4:2:2) 1080p60/59.94/50/30/29.97/25 1080i60/59.94/50 720p60/59.94/50 SDI 1080p 60/59.94/50/30/29.97/25 720p 60/59.94/50	HDMI/HDBaseT: 2160p60/59.94/50/30/29.97/25 (2160p60/59.94/50 YUV 4:2:2) 1080p60/59.94/50/30/29.97/25 1080i60/59.94/50 720p60/59.94/50 SDI 1080p 60/59.94/50/30/29.97/25 720p 60/59.94/50	HDMI/12G-SDI: 2160p60/59.94/50/30/29.97/25 (2160p60/59.94/50 YUV 4:2:2) 1080p60/59.94/50/30/29.97/25 1080i60/59.94/50 720p60/59.94/50 SDI 1080p 60/59.94/50/30/29.97/25 720p 60/59.94/50
Image Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
Effective Pixels (approx.)	8.42Mega Pixels	8.42Mega Pixels	8.42Mega Pixels
S/N Ratio	≥ 55dB	≥ 55dB	≥ 55dB
Min. Illumination	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s	1/30s ~ 1/10000s	1/30s ~ 1/10000s
Zoom Ratio	30x Optical, 4x Digital Zoom	30x Optical, 4x Digital Zoom	30x Optical, 4x Digital Zoom
Gamma Control	Off/Normal	Off/Normal	Off/Normal
Iris Control	Auto/Manual	Auto/Manual	Auto/Manual
Digital Noise Reductions	2D/3D	2D/3D	2D/3D
On-Screen Display	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese	English/Simplified Chinese/Traditional Chinese
White Balance	Auto, Indoor, Outdoor, One Push, Manual	Auto, Indoor, Outdoor, One Push, Manual	Auto, Indoor, Outdoor, One Push, Manual
AGC / Gain Control	Yes	Yes	Yes
Mirror / Flip Image	Yes	Yes	Yes
Focus Mode	Auto/Manual/One Push	Auto/Manual/One Push	Auto/Manual/One Push
Panning / Tilting Range	Pan: 340 Tilt: -20~+105	Pan: 340 Tilt: -20~+105	Pan: 340 Tilt: -20~+105
Panning / Tilting Speed	TBC	TBC	TBC
Preset	255 Position	255 Position	255 Position
Focal Length	30x, f=6.91mm~214.64mm, F1.35(Wide) ~F4.6 (Tele)	30x, f=6.91mm~214.64mm, F1.35(Wide) ~F4.6 (Tele)	30x, f=6.91mm~214.64mm, F1.35(Wide) ~F4.6 (Tele)
Field of View (Horizontal, Wide)	60°	60°	60°
Image Compensation	Back light compensation	Back light compensation	Back light compensation
Video Output	HDMI 2.0 x 1 3G-SDI x1 10/100/1000M RJ45 (802.3at, PoE+) x1 UVC out (USB type C) x1	HDMI 2.0 x 1 3G-SDI x1 10/100/1000M RJ45 (802.3at, PoE+) x1 HDBaseT x1 UVC out (USB type C) x1	HDMI 2.0 x 1 3G-SDI x1 12G-SDI x1 10/100/1000M RJ45 (802.3at, PoE+) x1 UVC out (USB type C) x1
Audio Input	XLRx2 (line in), 3.5mm x1 (mic in)	XLRx2 (line in), 3.5mm x1 (mic in)	XLRx2 (line in), 3.5mm x1 (mic in)
Tally LED	Yes	Yes	Yes
Control Protocol	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF	Pelco-D, Pelco-P, VISCA, VISCA over IP, DVIP, ONVIF, NDI
Remote Control Interface	IR, Web GUI, RS-422/RS-232, DVIP, NDI	IR, Web GUI, RS-422/RS-232, DVIP, HDBaseT(RJ-45)	IR, Web GUI, RS-422/RS-232, DVIP, NDI
Video Compression Format	H.264/H.265/MJPEG	H.264/H.265/MJPEG	H.264/H.265/MJPEG
Audio Compression Format	AAC	AAC	AAC
Audio Bitrate	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps	96Kbps, 128Kbps, 256Kbps
Streaming Protocols	RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI Hx3	RTSP, RTMP(S), ONVIF, Multicast, SRT	RTSP, RTMP(S), ONVIF, Multicast, SRT, NDI Hx3
First Stream Supported Resolution	3840x2160 / 1920x1080 / 1280x720 1024x576 / 960x540 / 640x480 / 640x360	3840x2160 / 1920x1080 / 1280x720 1024x576 / 960x540 / 640x480 / 640x360	3840x2160 / 1920x1080 / 1280x720 1024x576 / 960x540 / 640x480 / 640x360
Second Stream Supported Resolution	1280x720 / 1024x576 / 720x576 (50Hz) 720x480 (60Hz) / 720x408 / 640x360 480x270 / 320x240	1280x720 / 1024x576 / 720x576 (50Hz) 720x480 (60Hz) / 720x408 / 640x360 480x270 / 320x240	1280x720 / 1024x576 / 720x576 (50Hz) 720x480 (60Hz) / 720x408 / 640x360 480x270 / 320x240
Video Bitrate	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)	32Kbps ~ 50Mbps (Single Stream)
Video Bitrate Mode	VBR, CBR	VBR, CBR	VBR, CBR
Encoding Frame rate	50Hz: 1-50fps, 60Hz: 1-60fps	50Hz: 1-50fps, 60Hz: 1-60fps	50Hz: 1-50fps, 60Hz: 1-60fps
F/W Update	Via Web UI or USB 3.0 (type C)	Via Web UI or USB 3.0 (type C)	Via Web UI or USB 3.0 (type C)
IR Control	Yes	Yes	Yes
Camera Control Unit	RM-C-2P/ RMC-180 series/ RMC-300 series/ PTZ View Assist APP	HS-1650T/HS-1600T Mark II/RMC-2P/RMC-180 series/RMC-300 series/PTZ View Assist APP	RM-C-2P/ RMC-180 series/ RMC-300 series/ PTZ View Assist APP
Tripod Mount	1/4-20 UNC	1/4-20 UNC	1/4-20 UNC
Optional Accessories	WM-11	WM-11	WM-11
Color	Dark Blue/White	Dark Blue/White	Dark Blue/White
Dimension (LxWxH)	233x 187x253mm	233x 187x253mm	233x 187x253mm
Weight	3.0 Kg	3.0 Kg	3.0 Kg
Operating Temp. Range	0~40 °C	0~40 °C	0~40 °C
Power	DC 12V	DC 12V	DC 12V



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