

# Specifications

Auto Tracking Cameras      PTZ Cameras

TR313V2: \*4K can only support 30/29.97/27

Last updated: 11-14-2024

		TR211	TR315/TR315N	TR335/TR335N	TR313V2
<b>Part Number</b>		PATR211V3	PATR315V3/PTR315NV3	PATR335V3/PTR335NV3	PATR313V2
<b>PTZ Camera</b>	Effective Picture Elements	2 Megapixels	8 Megapixels	8 Megapixels	8 Megapixels
	Output Resolution	Up to Full HD 1080P at 60fps	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25
	Optical Zoom	12X	12X	30X	12X
	HFOV (Wide)~(Tele)	70° ~ 6°	70° ~ 6°	62.3° ~ 2.5°	70° ~ 6°
<b>Panoramic Camera</b>	Effective Picture Elements	—	—	—	—
	Output Resolution	—	—	—	—
	HFOV	—	—	—	—
<b>Camera</b>	Pan/Tilt Rotation	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)
	Pan/Tilt Speed	0.1°~100° / sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec
	Preset Speed	200° / Sec	200° / Sec	200° / Sec	200° / Sec
	Output Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
	USB Video Format	MJPEG	MJPEG	MJPEG	MJPEG, YUV
	UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0	UAC1.0	UAC1.0
	Control Interface	RS232, RS-422, Ethernet	RS232, RS422, Ethernet	RS232, RS422, Ethernet	RS232, RS422, Ethernet
	Network Protocol	IPv6,IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP,VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP
	Control Protocol	VISCA/PELCO-D (RS232/RS422/IP), CGI (IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
<b>Auto Tracking Functions</b>	Wide Area Tracking, Stage Tracking, Segment Tracking, Voice Tracking	Presenter, Zone, Hybrid, Gesture Control	Presenter, Zone, Hybrid, Gesture Control	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	
<b>Package Contents</b>	Remote Control, 12V Power Adapter, Power Cable, Din8 to DP9 Cable, RS232 In/Out Cable, Ceiling Mount(x2), Guide	Remote Control, 12V Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Mount(x2), Guide	Remote Control, 12V Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Mount(x2), Guide	IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick Guide	
<b>Software</b>	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	
<b>PoE+</b>	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	
<b>NDI Protocol</b>	No	No   Yes on TR315N	No   Yes on TR335N	Upgradable	
<b>SRT Protocol</b>	No	No	No	Yes	

TR323NV2	TR535N	PTZ310UNV2	PTZ310UV2
PTR323NV2	PAT535NV3	PT310UNV2	PTZ310UV2
8 Megapixels	8 Megapixels	8 Megapixels	8 Megapixels
Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25
21X	30X	12X	12X
65.1° ~ 2.34°	62.3° ~ 2.5°	72.1° ~ 6.3°	72.1° ~ 6.3°
—	—	—	—
—	—	—	—
—	—	—	—
Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)
0.1° ~ 100°/Sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec
200° / Sec	200° / Sec	200° / Sec	200° / Sec
3G-SDI, HDMI x 2, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
MJPEG, YUY2	MJPEG	MJPEG, YUY2	MJPEG, YUY2
UVC1.1	UVC1.1	UVC1.1	UVC1.1
UAC1.0	UAC1.0	UAC1.0	UAC1.0
RS232, RS422, Ethernet	RS232, RS422, IP, USB	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP
IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, HTTPS, DHCP, RTP/RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422), CGI(IP), USB, ONVIF	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	Presenter, Zone, Voice, Hybrid Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking
IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick Guide	Remote Control, 12V Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Mount(x2), Guide	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties
CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link
PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)
Yes	Yes	Yes	No
Yes	No	Yes	Yes

		PTZ330UNV2	PTZ330UV2
<b>Part Number</b>		PT330UNV2	PTZ330UV2
<b>PTZ Camera</b>	Effective Picture Elements	8 Megapixels	8 Megapixels
	Output Resolution	Resolution: 4K+/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K+/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25
	Optical Zoom	30X	30X
	HFOV (Wide)~(Tele)	62.3° ~ 2.5°	62.3° ~ 2.5°
<b>Panoramic Camera</b>	Effective Picture Elements	—	—
	Output Resolution	—	—
	HFOV	—	—
<b>Camera</b>	Pan/Tilt Rotation	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)
	Pan/Tilt Speed	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec
	Preset Speed	200° / Sec	200° / Sec
	Output Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
	USB Video Format	MJPEG, YUV2	MJPEG, YUY2
	UVC	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0
	Control Interface	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP
	Network Protocol	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
	Control Protocol	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
<b>Auto Tracking Functions</b>	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	
<b>Package Contents</b>	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties	
<b>Software</b>	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	
<b>PoE+</b>	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	
<b>NDI Protocol</b>	Yes	No	
<b>SRT Protocol</b>	Yes	Yes	

		PTZ231	PTZ211
PTPTZ231W		PTPTZ211W	
2 Megapixels		2 Megapixels	
Resolution: 1080P/720P Frame Rate: 60/59.94/50/30/29.97/25		Resolution: 1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	
30X		12X	
62.3° ~ 2.5°		62.3° ~ 2.5°	
—		—	
—		—	
—		—	
Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)		Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	
0.1° ~ 100°/Sec		0.1° ~ 100°/Sec	
200° / Sec		200° / Sec	
3G-SDI, HDMI, IP, USB		3G-SDI, HDMI, IP, USB	
MJPEG, YUY2		MJPEG, YUY2	
UVC1.1		UVC1.1	
UAC1.0		UAC1.0	
RS232, RS422, PELCO-P, IP		RS232, RS422, PELCO-P, IP	
IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP		IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	
VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)		VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	
SmartFrame, SmartShoot(Zone Tracking), Voice Tracking		SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	
Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties, HDMI Cable		Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties, HDMI Cable	
CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link		CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	
PoE+(IEEE 802.3at)		PoE+(IEEE 802.3at)	
No		No	
Yes		Yes	