

Comparison Chart



		● PTZ211	● PTZ231	● PTZ330UV2	● PTZ310UV2	● TR322	● TR615	● TR535N	● TR211	● TR315	● TR335
Part Number		PTPTZ211W	PTPTZ231W	PTZ330UV2	PT310UNV2	PATR322V1	PATR615V1	PAT535NV3	PATR211V3	PATR315V3	PATR335V3/PTR335NV3
PTZ Camera	Effective Picture Elements	2 Megapixels	2 Megapixels	8 Megapixels	8 Megapixels	8 Megapixels	17.25 Megapixels	8 Megapixels	2 Megapixels	8 Megapixels	8 Megapixels
	Output Resolution	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	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	Up to Full HD 1080P at 60fps (4K via license, planned end of Q4 2026)	Resolution: 4K*/1080P/1080i/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	Up to Full HD 1080P at 60fps	Resolution: 4K*/1080P/720P 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	30X	30X	12X	22X	19X	30X	12X	12X	30X
	HFOV (Wide)~(Tele)	62.3° ~ 2.5°	62.3° ~ 2.5°	62.3° ~ 2.5°	72.1° ~ 6.3°	70.4° ~ 2.86°	69.5° ~ 3.5°	62.3° ~ 2.5°	70° ~ 6°	70° ~ 6°	62.3° ~ 2.5°
Camera	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: -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: -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	Pan:0.1°~100°/sec;Tilt:0.05°~100°/sec	0.05° ~ 100°/Sec	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	Pan: 200° / sec, Tilt: 200° / sec	200° / Sec	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	3G-SDI, HDMI, IP, USB	12G-SDI x2, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
	USB Video Format	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPG, YUY2	MJPEG, YUY2	MJPEG	MJPEG	MJPEG	MJPEG
	UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1	UVC1.1	UVC 1.1	UVC1.1	UVC1.1	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0	UAC1.0	UAC1.0	UAC1.0	UAC 1.0	UAC1.0	UAC1.0	UAC1.0	UAC1.0
	Control Interface	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP	RS232, RS-422, Ethernet	RS232, RS422, IP, USB	RS232, RS422, IP, USB	RS232, RS-422, Ethernet	RS232, RS422, Ethernet	RS232, RS422, Ethernet
	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	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	IPv4, TCP,UDP,ARP,ICMP,IGMP,HTTP,HTTPS,DHCP,RTP/RTCP,RTSP,RTMP,SRT,HLS,NDI,LLDP,VISCA over IP,Onvif	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP/RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP, ONVIF	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, HTTPS, DHCP, RTP/RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP,VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	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)	VISCA/ PELCO-P / PELCO-D (RS232/422/IP), CGI (IP), USB	VISCA(RS-232/RS-422/IP), PELCO-D&PELCO-P (RS232/RS-422), CGI (IP),USB,ONVIF	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)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
Auto Tracking Functions		SmartFrame, SmartShoot(Zone Tracking),	SmartFrame, Zone Tracking, Voice Tracking	SmartFrame, Zone Tracking, Voice Tracking	SmartFrame, Zone Tracking, Voice Tracking	Presenter, Zone, Hybrid, Framing	Presenter, Zone, Voice, Hybrid Tracking	Presenter, Zone, Voice, Hybrid Tracking	Wide Area, Stage, Segment, Voice Tracking	Presenter, Zone, Hybrid, Gesture Control	Presenter, Zone, Hybrid, Gesture Control
Package Contents		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, Mount, 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 and Power Cord, Screws, Remote Control, DIN 8- 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 and Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties	Camera, Remote Control, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable, Power Adapter, Power Cord, Cable Tie (x4), M2x4 mm Screw (x3), M3x6 mm Screw (x3), 1/4"-20L 6.5mm Screw (x2), Cable Fixing Plate, Ceiling Mount Bracket (x2), Drilling Paper, Quick Start Guide	Camera, Control, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable, Power Adapter&Cord, Cable Tie(x7), M2x4mm Screws(x6), M3x6mm Screws(x3), 1/4"-20L 6.5mm Screws(x2), Cable Fixing Plate(x3), Mount(x2), Drilling Paper, 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 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
Software		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	Room Management, CaptureShare, Enterprise Management, Cloud Management	Enterprise/ Room /Cloud Management , PTZ Control Panel, PTZ Link, CaptureShare	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+		PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+ (IEEE802.3at)	PoE++(IEEE 802.3bt)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)
NDI Protocol		✗	✗	✗	✗	✓ NDI HX3	✓	✓	✓	✓	✓
SRT Protocol		✓	✓	✓	✓	✓	✓	✗	✗	✗	✗

● Auto Tracking Cameras ● PTZ Cameras