

Comparison Chart

Auto Tracking Cameras PTZ Cameras **TR333V2:** *4K can only support 30/29.97/25 **TR323NV2:** *4K can only support 30/29.97/26 **TR313V2:** *4K can only support 30/29.97/27

		TR333V2	TR323NV2	TR313V2	TR311HWV2
Part Number		PATR333V2	PTR323NV2	PATR313V2	PATR3HWV2
PTZ Camera	Effective Picture Elements	8 Megapixels	8 Megapixels	8 Megapixels	2 Megapixels
	Output Resolution	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/26	Resolution: 4K*/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
	Optical Zoom	30X	21X	12X	12X
	HFOV (Wide)~(Tele)	65.1° ~ 2.34°	65.1° ~ 2.34°	70° ~ 6°	70° ~ 6°
Panoramic Camera	Effective Picture Elements	—	—	—	—
	Output Resolution	—	—	—	—
	HFOV	—	—	—	—
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/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	HDMI, IP, USB
	USB Video Format	MJPEG, YUV	MJPEG, YUV	MJPEG, YUV	MJPEG, YUY2
	UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0	UAC1.0	UAC1.0
	Control Interface	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, Ethernet
	Network Protocol	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTPS, 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)
Auto Tracking Functions	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	
Package Contents	IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick Guide	IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick Guide	IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick Guide	IR Remote Control, 12V/5A Power Adapter, Din8 to D-Sub9 Cable, RS232 in/out Cable, Quick 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	
PoE+	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	
NDI Protocol	Upgradable	Yes	Upgradable	Upgradable	
SRT Protocol	Yes	Yes	Yes	Yes	

TR530+	PTZ310UNV2	PTZ310UV2
PAVPTR530P	PT310UNV2	PTZ310UV2
2 Megapixels	8 Megapixels	8 Megapixels
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
30X	12X	12X
67° ~ 2.3°	72.1° ~ 6.3°	72.1° ~ 6.3°
2 Megapixel CMOS	—	—
Up to Full HD1080P at 60fps	—	—
110°	—	—
Pan: -175° (Left), +175° (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)
2°~50° / sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec
160° / Sec	200° / Sec	200° / Sec
3G-SDI*1, HDMI*1, IP(RJ45), USB*1	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
—	MJPEG, YUY2	MJPEG, YUY2
—	UVC1.1	UVC1.1
—	UAC1.0	UAC1.0
RS232, IP(RJ45)	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP
RTSP, RTMP, ONVIF	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, Pelco-P	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
Wide Area Tracking, Stage Tracking, Segment Tracking, Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking
IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, 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, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, 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
PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)
No	Yes	No
No	Yes	Yes

		PTZ330UNV2	PTZ330UV2
Part Number		PT330UNV2	PTZ330UV2
PTZ Camera	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°
Panoramic Camera	Effective Picture Elements	—	—
	Output Resolution	—	—
	HFOV	—	—
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/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)
Auto Tracking Functions	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	
Package Contents	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, 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, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties	
Software	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)	
NDI Protocol	Yes	No	
SRT Protocol	Yes	Yes	

MD330U/MD330UI
PATMD330U, PAMD330UI
8 Megapixels
4K/30(IP/UVC); 1080P/60,59.94,50,30, 29.97,25; 1080i/60,50; 720P/60,59.94,50
30X
65.1° ~ 2.34°
—
—
—
Pan: ±170° Tilt: +90° / -35°
0.1°~100° / Sec
200° / Sec
HDMI, IP, USB
MJPEG, YUY2
UVC1.1
UAC1.0
RS232, IP
IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP
VISCA(RS-232/IP), Pelco-D & Pelco-P,(RS-232), CGI(IP)
SmartFrame
Remote Control, Power Adapter, Power Cord, Screws(x2), USB Cable, Quick Guide
CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link
No
No
No