



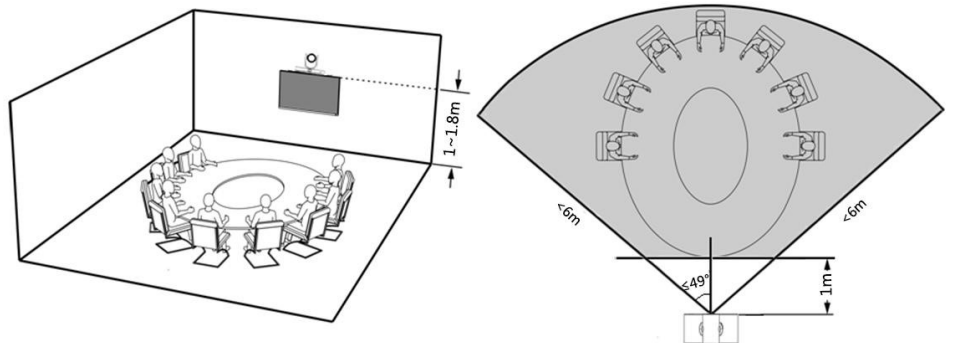
4KP12xT-DVT

4K PTZ Voice Tracking Camera with HD Dual Image Smart Switching

This conferencing solution combines sound positioning technology and intelligent imaging analysis AI technology to create a fully automated "Smart-Switching" camera view solution amongst many participants in a conference room. The AI will intelligently switch between a fixed wide angle, full room image while allowing the PTZ head to zoom, focus and then switch to the close-up view of the current speaker during a conference call. The AI automates the set up and tracking for up to a 25ft x25ft room, no configuration required, just plug and play.

Key Features:

- ✓ POE Tracking camera: 4K 12x optical zoom, 7.6° wide up to 80.5° telephoto Fov
- ✓ Full view panoramic 1080p camera: F=1.89 mm with to 101.8° Super Wide Fov
- ✓ Combining the 6 microphone voice location technology and the automatic face detection & recognition algorithm, locate any speaker in the room accurately with zero set up or configuration
- ✓ Activating the unique Dual Camera "Smart Switching" allows the AI to change the output view based on wide angle framing and intelligent optical zoom frame/stream selection of all participants.
- ✓ Tracking Mode, automatically follow any speaker and produce a close up 4K shot at the appropriate size & angle.
- ✓ Dual Mode, PTZ single person close-up and panoramic full view automatically switch seamlessly
- ✓ No need for human participation in the whole work process; enhancing your meeting experience
- ✓ Dual Camera mode Resolution up to 1080p60 and no audio
- ✓ HDMI, USB 3.0, RS232 and network interfaces
- ✓ Voice Tracking modes can be remotely managed via RS232 or IP Browser





4KP12xT-DVT Specifications

Tracking Camera	
Image Sensor	1/2.8 inch high quality SONY CMOS sensor
Effective Pixel	8.29M, 16:9
Video Signal	<p><u>HDMI out:</u> 4KP30, 4KP25, 1080P30, 1080P25, 1080P29.97</p> <p><u>USB3.0 out:</u> <u>Main Stream:</u> YUY2/NV12: 1920×1080 / 1280×720 / 1024×576 / 800×600 / 800×448 / 640×360 / 480×270 / 320×180 @10/5fps <u>Main Stream:</u> MJPG/H264: 3840×2160 / 1920×1080 / 1600×896 / 1280×720 / 1024×576 / 960×540 / 800×600 / 800×448 / 720×576 / 720×480 / 640×360 / 640×480 / 480×270 / 352×288 / 320×240 @30/25/20/15/10/5fps <u>Sub Stream:</u> YUY2/NV12: 1280×720 / 1024×576 / 800×600 / 800×448 / 640×360 / 640×480 / 480×270 / 320×180 @30/25/20/15/10/5fps <u>Sub Stream:</u> MJPG/H264: 1920×1080 / 1600×896 / 1280×720 / 1024×576 / 960×540 / 800×600 / 800×448 / 720×576 / 720×480 / 640×360 / 640×480 / 480×270 / 352×288 / 320×240 @30/25/20/15/10/5fps</p>
Close-up Lens	12X
Viewing Angle	H: 7.6° (N) ~ 80.5° (W)
Iris Value	F1.8 ~ F3.6
Digital Zoom	15X
Focus	F=3.4 ~ 40mm
Minimum Illumination	0.5Lux (F1.8, AGC ON)
DNR	2D & 3D
White Balance	Auto/Manual/One-Key White Balance/Specified Color Temperature
Focus Mode	Auto/Manual/One key focus
Exposure Mode	Auto, Manual, Shutter Priority, Aperture Priority, Brightness Priority
Iris	F1.8 ~ F3.6, CLOSE
Shutter Speed	1/25 ~ 1/20000
BLC	On/Off
Dynamic Range	Off, 1 ~ 8
Video Adjustment	Brightness, Hue, Saturation, Contrast, Sharpness, Black and White Mode, Gamma Curve
SNR	>50dB
Panoramic Imager	1080p imager with Fixed Lens
Panoramic FOV	110.2° / 101.8° / 69.5° (D / H / V)
Panoramic Iris	F2.0±5%
Panoramic Focus	F=1.89mm

Interface	
Back Panel	HDMI, LAN (support POE), USB3.0, A-IN, RS232-IN, DC12V power supply, power switch
Video Output	HDMI, LAN, USB3.0
Video Compression Format	LAN: H.264, H.265 USB 3.0: MJPG, H264, YUY2, NV12
Audio Input	Dual channel 3.5mm linear input, REF Audio In
Audio Output	HDMI, LAN, USB3.0
Audio Compression Format	AAC, MP3, G.711A
LAN Port	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT, support remote upgrade, remote restart, remote reset
Control	RS232-IN
Serial Port Communication Protocols	VISCA / Pelco-D / Pelco-P Baud Rate: 115200 / 38400 / 9600 / 4800 / 2400
USB Communication Protocols	UVC (video communication protocol) UAC (audio communication protocol)
Power Supply	HEC3800 power socket (DC12V) or POE 802.3af
Power Adapter	Input: AC110V~AC220V Output: DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	<1A
Power Consumption	<12W
PTZ	
Pan Range	-110°~+110°
Tilt Range	-30°~+30°
Pan Speed	0.1°~100°/ s
Tilt Speed	0.1°~70°/s
Preset Speed	Pan: 78.8°/s Tilt: 31.7°/s
Preset Quantity	255 preset positions (10 remote controls)
AI Function	
Auto Framing	Built-in high-speed processor and face detection algorithm, it can automatically detect participants and provide optimal framing
Speaker Tracking	Built-in 6 omnidirectional microphone arrays, intelligent sound source localization algorithm, can locate the speaker's position in real time.
General	
Storage Temperature	14°F ~ 140°F / -10°C ~ 60°C
Storage Humidity	20% ~ 95%
Working Temperature	14°F ~ 122°F / -10°C ~ 50°C
Working Humidity	20% ~ 80%
Dimension (LxWxD)	8.66in x 5.67in x 6.26in / 220mm x 144mm x 159mm
Net Weight	3.75 lbs / 1.7 kg
Environment	Indoors
Standard Accessory	Power Adapter, RS232 Control Cable, USB3.0 Cable, Remote Control
Optional Accessory	Wall Mounting Bracket Included

