

TENVEO VA612 GROUP

4K AI Audiovisual System for Conference Rooms



4K
UHD



AI
Auto-tracking

Built-in 8 Mics



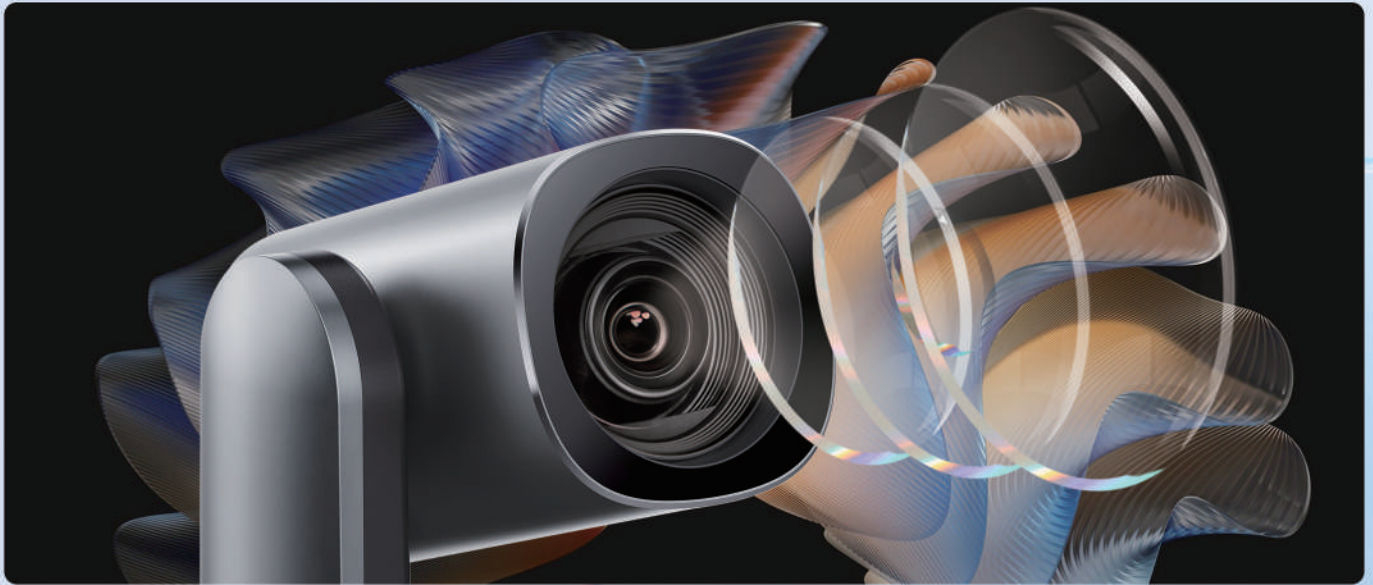
2 Expansion
Mics

9m
Pickup Radius

Tenveo VA612 Group is an advanced video and audio conferencing solution engineered for mid-to-large-sized rooms. It brings together a 4K AI Tracking PTZ camera with 12x optical zoom, a 360° voice pickup speakerphone, and two expansion microphones into a single, integrated system. With intelligent features like Auto Framing and Presenter Tracking, it ensures all participants are seamlessly included in the conversation. Coupled with acoustic echo cancellation, noise reduction, and flexible control options, VA612 Group delivers a truly immersive and professional collaboration experience where everyone is seen and heard with exceptional clarity.

4K Ultra HD, 12x Optical Zoom, Extraordinary Clear and Realistic Video Conferencing Experience

Tenveo VA612 Group's PTZ camera, equipped with a premium 1/2.8" CMOS sensor, faithfully captures every moment in 4K resolution at 30fps. Its 12x optical zoom brings you closer to the action without sacrificing image quality, while the wide 78.36-degree field of view ensures everyone is naturally included in the frame.



AI Tracking: Automatically Framing Participants and Tracking Speaker

The advanced AI intelligence of VA612 Group's PTZ camera fosters dynamic collaboration. It offers two key modes: Auto Framing keeps all participants in the shot, and Presenter Tracking follows the active speaker. Together, they create a seamless, professional video experience that requires no manual control.



All-in-One Connectivity & Plug-and-Play Setup

Tenveo VA612 Group is designed for effortless integration. Simply connect the components as follows:

1. Use the provided DP cables to link the PTZ camera and the speakerphone to the Hub.
 2. Plug the two expansion microphones into the speakerphone via the 3.5mm jacks.
 3. Connect the Hub to your PC or Mac using the USB-C cable for data transmission.
 4. Connect the DC power adapter to the Hub's dedicated power port to supply power to the entire system.
- For added flexibility, the AI camera features an HDMI port connect directly to a display, and supports RS232/RS485 for integration with external control systems.



Fitting in Different Scenarios

VA612 Group is compatible with Zoom, Microsoft Teams, Google Meet, VooV Meeting, Cisco WebEx and other conferencing software. Make sure your internet upload/download speeds exceed at least 2M bit per second(>256KB/s). System Requirements: Windows® 7 or later, macOS® 10.10 or later, Linux(with UVC support).



Name	VA612Group-EX
HD Conference Camera	
Optical Zoom	12x zoom
Image Sensor	1/2.8" SONY CMOS
Effective Pixels	8.29MP
Lens	f=4.1mm-49.2mm
Aperture	F1.8-2.68
Horizontal Angle	70.28°(W)-6.57°(T)
Vertical Angle	42.06°(W)-3.76°(T)
Diagonal Angle	78.36°(W)-7.5°(T)
Video Format	HDMI: 4KP@30/25fps, 2KP@60fps, 1080P@60/59.94/50/30/29.97/25fps, 720P@60/59.94/50/30fps USB3.0: H.264/H.265/MJPEG: max to 2160P@30fps NV12/YUY2: max to 896P@30fps
AI Support	Yes(activate AI Tracking in the menu)
AI Mode	Auto Framing/Presenter Tracking
Focus	Auto/Manual
Digital Noise Reduction	2D&3D Noise Reduction
Exposure	Auto/Manual
Video Interfaces	HDMI, DP
Video Compression Format	H.264, H.265, MJPEG, YUY2
Control Protocol	VISCA/Pelco-D/Pelco-P
Baud Rate	38400/9600/4800/2400
Control Interface	RS232 (input only), RS485, UVC1.1
Pan/Tilt Rotation	±175°, -90°~+90°
Pan Control Speed	0.1-80°/sec
Tilt Control Speed	0.1-60°/sec
Preset Number	User can set up to 255 presets(10 presets by IR remote)
Speakerphone	
Acoustic Echo Cancellation(AEC):	>65dB
Speaker Power	5W
Speaker Volume	110dB
Response	100Hz-20KHz
Pickup Range	6m(Radius)
Microphone Sensitivity	-38dB
SNR(Signal to Noise Ratio)	62dB
Interface	DP interface; 2*3.5mm Jack(for Expansion Mics)
Hub	
Interface	DP*2; Power interface*1; USB Type-C*1
Power Supply	DC 12V
USB Cable	3m USB cable*1
Connection Cable	5m DP cable*2
Extension mics(Optional)	
Item Name	Microphone
Interface	1*3.5mm jack
Pickup Range	3 meters
Product Size	74*74*21mm(net weight)
Product Weight	95.5g(net weight)
General Parameter	
Operation Systems	Windows 7 or higher; Android, Mac OS™ 10.10 or higher; Linux(Required to support UVC.)
Application Support	Compatible with Zoom, MS Teams, etc.
Input Voltage	DC 12V
Input Current	2.0A(Max)
Store Temperature	-20°C to 60°C
Store Humidity	20%~90% RH
Working Temperature	0°C o 40°C
Working Humidity	20%~80% RH
Dimension(W*H*D)	Camera: 171.6*192.6*171.6mm Speakerphone: 143*143*75mm Extension mics: 74*74*20mm Hub: 98*98*20mm
N.W./G.W	2.77kg/4kg(net/gross weight)

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