

Tenveo VA612 Video and Audio Group

# VA612 GROUP

Ultra HD 4K Camera + Full Duplex Speakerphone + 2 Expansion Mics +Hub



**4K**  
UHD



**350 deg. Pan  
& 180 deg. Tilt**

**Built-in 8 Mics**



**2 Expansion  
Mics**

**9m**  
Pickup Radius

VA612 Group, Tenveo's video conferencing solution for mid to large-size conference rooms, delivers high quality Ultra HD video and crystal clear audio, allowing any meeting place to be a video collaboration space. The Group brings together an Ultra HD 4K PTZ Camera with 12x Optical Zoom, a Full Duplex Speakerphone with 360° Voice Pickup capability, a Hub and 2 Expansion Mics. With advanced features like acoustic echo cancellation, noise reduction technology and control and configuration of the camera with the included handheld remote control or the speakerphone. now it's easier than ever to include anyone in the conversation.

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

The VA612 Group's PTZ camera features a 1/2.8" HD CMOS sensor that can record in 4k@30fps resolution, ensuring that all details of your meeting are captured. In addition, the camera has a 12x optical zoom lens to ensure high quality close-ups can be achieved. The camera also supports a wide 70.82 degree field of view with no distortion.



## Multiple-interfaces, All-in-One personalized Options for You

The VLoop camera is compatible with multiple devices through DP to Hub, HDMI to your TV, and RS232/RS485 to the keyboard controller. The HUB has 4 interfaces. 2\*DP Ports connect to camera and speakerphone, a USB-C connects to your PC, and a power hole for power supply.



## Plug-and-Play Setup

Simply connect the ptz camera and speakerphone to powered hub through DP ports, the 2 expansion microphones to the speakerphone via two 3.5mm jack, and the hub to PC or Mac via USB-C to get up and running in a snap. The HDMI port on the PTZ camera provides an additional option for the camera directly connected to TV.



## Fitting in Different Scenarios

Tenveo VA612 Group is compatible with Zoom, Skype for business, Microsoft Lync(Teams), 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 higher, Mac OS X 10.7 or higher, Linux. (Required to support UVC)



| Name                             | HD Conference Group   |
|----------------------------------|---|
|                                  | <b>HD Conference Camera</b>   |
| Optical Zoom                     | 12x zoom  |
| Image Sensor                     | 1/2.8" SONY CMOS  |
| Effective Pixels                 | 8.29MP  |
| Lens                             | f=3.9mm-46.8mm  |
| Aperture                         | F1.6-2.8  |
| Video Format                     | 4KP@30fps, 1080P@60/50/30/25fps, 720P@60/50/30/25fps<br>H.264, H.265, MJPG, YUY2, NV12  |
| Horizontal Angle                 | 70.82°(W)-6.48°(T)  |
| Focus                            | Auto / Manual   |
| Digital Noise Reduction          | 2D & 3D Noise Reduction   |
| Exposure                         | Auto / Manual   |
| Video Interfaces                 | HDMI, DP  |
| Video Compression Format         | H.264, H.265, MJPG, 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°   |
| 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)                                |
|                                  | <b>Speakerphone</b>   |
| Acoustic Echo Cancellation(AEC): | >65dB   |
| Speaker Power                    | 5W  |
| Speaker Volume                   | 110dB   |
| Response                         | 100Hz-20KHz   |
| Pickup Range                     | 6m(Radius), 9m(with 2 Expandable mics)  |
| Microphone Sensitivity           | -38dBFS   |
| SNR(Signal to Noise Ratio)       | 62dB  |
| Interface                        | DP interface; 2x3.5mm Jack(for Expansion Mics)  |
|                                  | <b>Hub</b>  |
| 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   |
|                                  | <b>General Parameter</b>  |
| 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, Skype and etc.  |
| Input Voltage                    | DC 12V  |
| Input Current                    | 2.0A(Max)   |
| Store Temperature                | -10°C ~ +60°C   |
| Store Humidity                   | 20% ~ 90%   |
| Working Temperature              | -10°C ~ +50°C   |
| Working Humidity                 | 20% ~ 80%   |
| Dimension (W*H*D)                | Camera: 171.6*192.6*171.6mm; Speakerphone: 143mm*143mm*75mm; Hub: 98*98*20mm            |
| N.W. / G.W                       | 2.77kg/4kg(net / gross weight)  |

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