

360° Camera

79442-360 Data Sheet

TEKVOX's 79442-360 provides an exceptional user experience for video conferencing in small and medium video conference rooms. Four HD cameras provide 360° video of everyone in the room, and can be combined in several different viewing modes. AI-based automatic framing, tracking, and beamforming ensure that everyone at the table can be seen face-to-face and heard clearly by remote attendees. An adjustable vertical field of view (FOV) helps accommodate people of different heights. Built-in array microphones provide omnidirectional audio coverage for immersive meetings. Plug-and-play operation ensures that the camera is compact, simple, and meeting-ready in seconds.

With an incredible variety of features to tackle any meeting, high-quality video and audio, and effortless usage, the 79442-360 represents the next step in modern, sophisticated video conferencing.

Features:

- Omnidirectional 4K video captures everyone at the table without any switching
- Multiple viewing modes and screen layouts allow users to customize their experience
- AI-based auto-framing and tracking keeps everyone in-frame as they move
- Integrated speaker and beamforming array mics for clear, full-room audio
- Plug-and-play operation guarantees a fantastic, effortless user experience every time



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79442-360 Technical Specifications

Lens	4 @ 2560x1440@30Hz
Image Sensor	1/2.7" CMOS
Field of View (FOV)	140° (D), 140° (H), 103° (V) (per lens)
Resolution (Software)	4992x928@30Hz (1920x1080@30Hz, 1280x720@30Hz, 640x360@30Hz)
Screen Layouts	Discuss Mode: Panoramic view on top, empty spaces removed on bottom Speaker Mode: Focus on active speaker Grid Mode: Up to four participants at once shown in gallery view Demo Mode: View of whiteboard/exhibit with presenter Picture-in-Picture (PIP) Split-Screen Mode: Dual 180° views Panoramic Mode: Full 360° panoramic view Custom: Manual select Region of Interest (ROI)
Vertical FOV Modes	FOV-Top: 45° Up / 15° Down FOV-Middle: 30° Up / 30° Down FOV-Down: 20° Up / 40° Down
Video Processing	ROI Cropping/Compositing 3D Dynamic Noise Reduction AI Automatic Portrait Tracking
Microphone	4x Array Microphones
Pickup Range	16.4 feet (5m)
Speaker	3W, Full-range
Sound Pressure Level	79 ± 3dB
Frequency Range	100 Hz ~ 15 kHz
Audio Processing	Automatic Echo Cancellation (AEC) Noise Reduction Beamforming Sound Source Localization
I/O Ports	1x USB (Type-C, Female) 1x Power (DC)
Power Supply	Input: 100 ~ 240 VAC, 50/60Hz, 0.4A Output: DC 12V, 1A
Power Consumption	12W (max)
Product Dimensions	2.5" (63.5mm) x 2.5" (63.5mm) x 7.19" (182.6mm)
Product Weight	1 lbs. (454g)

Specifications are subject to change without notice