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CMP-HDI2AT

AI Tracking Binocular Voice Camera



Specification

CMP-HD12AT is a high-end flagship AI tracking binocular voice camera introduced by ADERTECH. With its integrated dual lenses and noise reduction array microphone, it boasts powerful multimodal fusion capabilities for both images and voices. The CMP-HD12AT supports various AI tracking modes including speaker tracking mode, presenter tracking mode, whiteboard tracking mode, and automatic framing mode. It also offers AI offline voice commands, allowing for flexible switching between tracking modes without the need for professional assistance, thus making usage more convenient.

- 8-array smart line microphone for higher precision and longer range ;
- Intelligent noise reduction to prevent false triggers from ambient noise;
- Multimodal signal processing with binocular lenses to identify speakers and prevent misidentification;
- Binocular image system for smooth transitions during broadcast, reducing dizziness and discomfort.
- Automatic face locking ensures continuous tracking of the presenters, keeping them centered throughout the presentation;
- Facial recognition coupled with face tracking provides robust interference resistance, even in scenarios with multiple individuals entering the speaking area, ensuring the presenter is never lost.
- In the whiteboard area, human body posture recognition identifies writing actions, enabling the close-up lens to accurately capture the content on the whiteboard;
- Information delivery feels as intimate as face-to-face interaction.
- Automatic Framing: Based on facial detection, the camera automatically identifies participants. When someone enters or adjusts their position, the lens automatically adjusts the frame to ensure everyone is centrally displayed.

Close-up Lens:
1080P HD lens, 12x optical zoom
72.5° field of view

Panoramic Lens:
1080P HD lens, 110° field of view



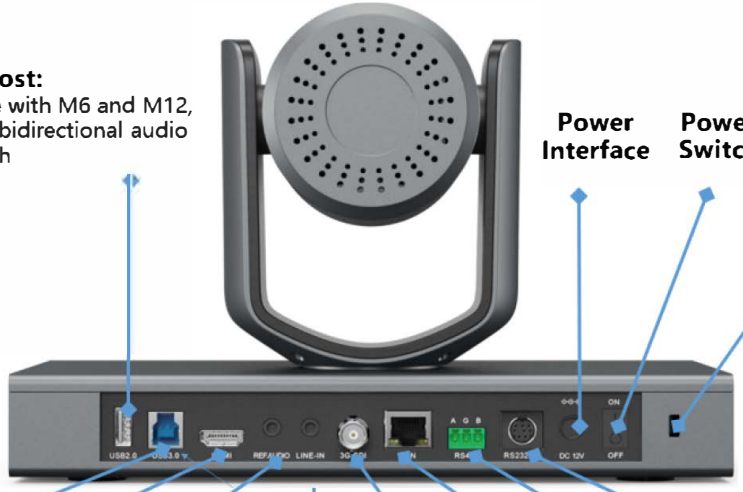
Smart Line Microphone:
DOA sound source, 8-array microphone design



Privacy Cover

USB2.0 Host:
Compatible with M6 and M12, facilitating bidirectional audio passthrough

Power Interface **Power Switch** **Kensington lock slot.**



USB3.0 **HDMI** **REF Audio** **LINE IN** **3G-SDI** **RJ45/PoE** **RS485** **RS232**

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CMP-HD12AT					
Macro Lens	Image Sensor	1/2.8-inch CMOS，2.14 Megapixels	**Interface**	Network	1 Port，10/100M RJ-45 POE
	Focal Length	f=4.14mm-47.08mm		3G-SDI	1 Port，3G-SDI
	Aperture	F1.6-F2.8		HDMI	1 Port，HDMI Out
	Optical Zoom	12x		USB 2.0	1 Port，USB 2.0 Type-A HOST
	Digital Zoom	16x		USB 3.0	1 Port，USB 3.0 Type-B
	Field of View	72.5°-6.3°		Audio Interface	1 Port，LINE IN，3.5mm
	Focus System	Automatic，Manual，PTZ Trigger，One-touch Trriger		Reference Audio	1 Port，REF，3.5mm
	Min Illumination	0.5Lux		Control Interface	1 Port，RS-485 1Port，RS-232 IN
	Shutter Speed	1/60-1/10,000s		Power Interface	DC12V
	Gain	Automatic，Manual		Power Switch	Boat-shaped Switch
	Exposure Control	Automatic，Manual，Shuttr Priority，Aperture Priority，Brightness Priority		Wireless Control	Infrared Remote Control
Panoramic Lens	Image Sensor	1/2.8-inch CMOS，2.14 Megapixels	**General Spec**	Control Protocol	VISCA
	Focal Length	f=1.89mm		Power Consumption	<20W
	Horizontal Field of View	110°		Operating Environment	Operating Temperature，0~40°C; Operating Humidity，10%RH~90%RH
	White Balance	Automatic		Storage Enviroment	Storage Temperature，-20°C~60°C; Storage Humidity，10%RH~90%RH
	Exposure Control	Automatic		Dimensions	245mm*145mm*165mm
Smart MIC Array	Mic Array	8-array Mic		Weight	<2KG
	DOA Accuracy	<5°	**Device Management**	Firmware Upgrade	Support
	Max Detection Distance	8m		Status Query	Support
PTZ Function	Horizontal Rotation Range	-130°~+130°			
	Vertical Rotation Range	-30°~+90°			
	Horizontal Rotation Speed	0.1°~100°/s			
	Vertical Rotation Speed	0.1°~80°/s			
	Number of Preset Points	64			