AI 4K Dual-Lens Tracking Camera C80



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CATALOG

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C80 Product Image

Product Introduction

AIVIS-C80 is a professional AI tracking camera designed for modern intelligent meeting rooms. It integrates a 4K close-up camera and a 4K panoramic camera in one PTZ unit, combining precise positioning with smooth, stable motion for speaker tracking, whiteboard close-ups, and full-room coverage. When paired with AISpeech flagship microphones and a multimodal AI audio-visual tracking box, C80 provides accurate visual cues for speaker role identification and tracking. Built-in scene-level tracking strategies automatically select the optimal framing logic for different meeting scenarios and enable smooth multi-shot switching. With 4K video output over HDMI, USB 2.0, and IP, plus VISCA-compatible control, C80 integrates flexibly into enterprise AV systems as a stable, intelligent visual solution.

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Main Features

Exceptional 4K Ultra HD Imaging

Built around a high-quality 1/2.8-inch 4K CMOS sensor with 8.46 megapixels, C80 captures rich detail and nuanced color even under complex meeting-room lighting. Its close-up camera combines 12x optical zoom with a 4K super-resolution lens group and up to an 81° horizontal field of view, moving seamlessly from wide coverage to distant close-ups.

Integrated Dual 4K Camera Design

The close-up and panoramic cameras are integrated in one unit, and both image in 4K. C80 can output two independent 4K video streams at the same time: one for speaker-tracking close-ups and one for full-room panoramic coverage. This dual-view design removes the need for auxiliary cameras, simplifying cabling and reducing total system cost.

AI Tracking & Multi-Shot Auto Switching

Built-in scene-level tracking strategies automatically match the best tracking logic and composition for different meeting scenarios, enabling smooth transitions across multiple shot types. When paired with AISpeech's multimodal AI audio-visual tracking box, C80 supports precise audio-position-based speaker tracking so the meeting view stays focused on the essential content.

Complete Interface & Protocol Ecosystem

C80 outputs 4K video over HDMI, USB 2.0, and IP network connections. Compatibility with mainstream VISCA control protocols makes integration with central control systems and third-party video platforms straightforward, while the built-in Chinese/English OSD menu lowers setup and commissioning effort.

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Product Specifications

Function	Specification	
Close-up Camera	• Image sensor	1/2.8” 4K CMOS, 8.46 megapixels
	• Focal length	f=3.4-40.3 mm
	• Aperture	F1.8-F3.6
	• Optical zoom	12x
	• Field of view	81°-7.6°
	• Focus system	Auto, manual, one-touch trigger, PTZ trigger
	• Minimum illumination	10 lux
	• Shutter speed	1/1-1/10,000 s
	• Gain	Auto / manual
	• White balance	Auto, indoor, outdoor, one-touch trigger, manual, auto tracking
	• Exposure control	Auto, manual, shutter priority, aperture priority
	• Signal-to-noise ratio	>=50 dB
	• Backlight compensation	Supported
	• Wide dynamic range	Supported
Panoramic Camera	• Image sensor	1/2.8” 4K CMOS, 8.46 megapixels
	• Lens	Fixed-focus 2.8 mm
	• Field of view	Horizontal 94°, vertical 62°
	• White balance	Auto
	• Exposure	Auto
PTZ Functions	• Pan range	-130° to +130°
	• Tilt range	-30° to +90°
	• Pan speed	0.1°-80°/s
	• Tilt speed	0.1°-60°/s
	• Presets	64

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Product Specifications

Function	Specification	
Interface	• Network	1 x RJ-45, 10/100M PoE
	• HDMI	1 x HDMI 2.0
	• USB	1 x USB 2.0
	• Control interface	1 x RS-232 IN, 1 x RS-232 OUT, DIN-8 IN x2
	• Audio interface	1 x LINE IN, 3.5 mm Audio Interface
	• Power connector	DC 12V
General Specifications	• Control protocol	VISCA
	• Power consumption	<18 W
	• Operating environment	0-40°C; 10% RH-90% RH
	• Storage environment	-20°C to +60°C; 10% RH-95% RH
	• Dimensions	245 × 145 × 165 mm
	• Weight	<1.8 kg
	• Body color	Starry Gray
Device Management	• Firmware upgrade	Supported
	• Status query	Supported

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