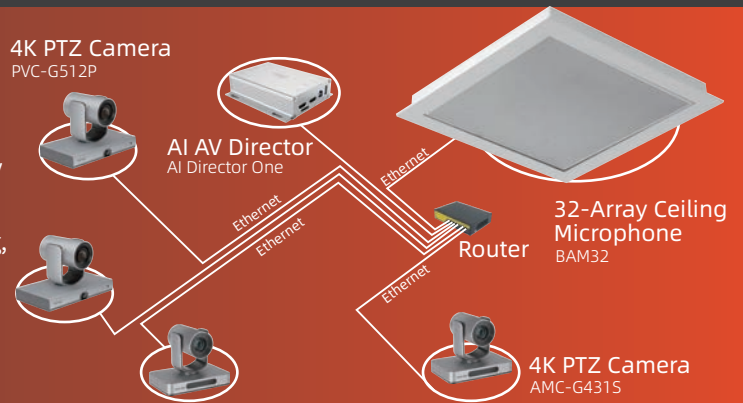


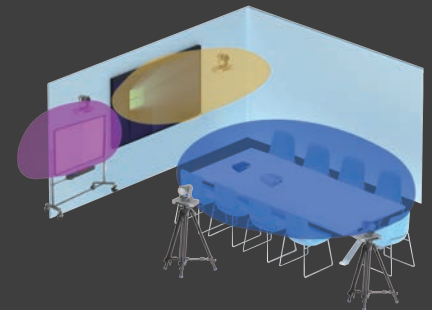
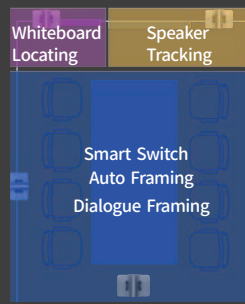
AI Mic-Cam Tracking Solution

iSmart Video

This AI Mic-Cam Tracking Solution is specially designed for large conference rooms. The solution consists of an intelligent audio video switch box (AI AV Director), a 32-array ceiling microphone and multiple 4K PTZ cameras. It easily achieves voice-triggered auto camera switching and tracking, auto framing, and speaker tracking. This solution effectively improves meeting experience, whereas in the same time frees of man power.



When 32-array ceiling microphone detects an active speaker, it sends DOA position of audio source area to AI AV Director, which switches to stream relevant camera to frame the active speaker. The solution supports combinations of multiple single-lens 4K PTZ cameras and dual-lens 4K PTZ cameras.



Smart Switch

The built-in AI algorithm coordinates multiple cameras and achieves automatic and smooth close-up video switching among different cameras, full view video could join between close-up videos in specific switchings.



Speaker Tracking

When one speaks in the presenting area, the microphone detects the voice and triggers the tracking camera to give the presenter a close-up shot and track the presenter. The AI AV Director auto switches to the tracking camera.



Auto Framing

When no one speaks and no voice detected by the microphone, the front camera frames all the meeting participants.



Dialogue Framing

During a discussion, the camera gives speakers close-up shot in cycle. After a few cycles the dialogue mode is triggered, and the camera frames both speakers.



Whiteboard Locating

When someone enters the whiteboard area, the camera outputs the whiteboard area view.



4K PTZ Camera AMC-G431S



4K UHD



12x Optical Zoom



Model	AMC-G431S
Camera	
Image Sensor	1/2.8" CMOS, 8.46MP
Focal	f=3.9mm ~ 46.8mm
Iris	F1.6 ~ F2.8
Zoom	12x Optical Zoom; 16x Digital Zoom
HFOV	72.5° ~ 6.3°
Focusing System	Auto, Manual
White Balance	Auto, Manual, Auto Tracking, One Push, Static Color Temperature
Wide Dynamic	Support
Exposure	Auto, Manual, Shutter Priority, Iris Priority
AGC	Auto, Manual
BLC	Support
SNR	≥50dB
PTZ	
Pan	-170° ~ +170°; 0.1° ~ 120°/s
Tilt	30° ~ +90°; 0.1° ~ 90°/s
Preset Number	256
Image Filp	Support
Interface	
HDMI 1.4	4KP30/P25, 1080P60/P50/P30/P25, 720P60/P50/P30/P25
Network	1×RJ45: 1×10M/100M, POE supported. 1. Up to 4KP30 video output; 2. Image Compression: H.264/H.265; 3. Protocol: ONVIF/RTSP/RTMP/TCP/UDP/RTMPS; 4. Audio Compression: AAC; 5. Support dual streams
USB 3.0	1. Support UVC1.1; 2. UVC Support: YUY2/H.265/MJPEG. YUY2: 1080P30/P25, 720P30/P25, 480P30/P25, 360P30/P25 H.264/H.265/MJPEG: 4KP30/P25, 1080P60/P50/P30/P25, 720P60/P50/P30/P25, 360P30/P25; 3. UAC Audio Format PCM
3G-SDI	1080P60/P50/P30/P25, 720P60/P50/P30/P25
Audio	1×LINE IN, 3.5mm
Control Interface	1×RS-232 In; 1×RS-232 Out/RS-485
General	
Power	DC12V; <15W
Control Protocol	VISCA (support daisy chain)/PELCO-P/PELCO-D
Operating Temperature	0°C ~ +40°C
Storage Temperature	-20°C ~ +60°C
Dimensions (L×W×H)	211mm × 137mm × 170mm
Weight	≤1.2kg

AI AV Director AI Director One



AI Cam Switch



Up to 4K P30



PIP/PBP/Cross



Web UI



USB/HDMI/LAN



SD Card

Model	AI Director One
Resolution	Up to 4K @ 30fps
Video Compression	H.265/H.264/MJPEG
Audio Interface	1 channel input(3.5MM), 1 channel output (3.5MM)
Video Input	Up to 4KP30 Input
Video Switching	Smart Switch
Preset Freeze	Supports one-click preset freeze function
Video Mode	Picture stitching (up to four display), picture-in-picture and picture aggregation
Tracking Mode	Speaker tracking, auto framing, dialogue framing and whiteboard locating
HDMI	One HDMI input (supports audio and video) and one HDMI output (supports audio and video). 4KP30; 1080P30/P25; 720P30/P25
USB	1 channel USB2.0 Host (Reserved); 1 channel USB3.0 Device; USB3.0 compatible USB2.0: 1. UVC support UVC1.1; 2. UVC support H.265/H.264/MJPEG, up to 4K30; 1080P30/P25; 720P30/P25; 360P30/P25; 3. Support UAC, audio format supports PCM
Network	1 channel RJ-45, 10M/100M(POE); 1. Up to 4KP30 output; 2. Support H.264, H.265; 3. Protocols: ONVIF/RTSP/RTMP; 4. Audio format: AAC; 5. Support multiple stream; 6. Support WEB UI
TF Card	One Micor SD Card, max 256G
Power	DC 12V
Operating Temperature	0°C ~ + 40°C
Storage Temperature	-20°C ~ +40°C
Dimensions (LxWxH)	119 mm×104 mm×29mm
Weight	0.2KG

32-Array Ceiling Microphone BAM32



5A Audio Algorithm



32-Mic Array



10 Meters Pickup Range



Cascade



Sound Reinforcement



Online Interaction

Model	BAM32
Microphone	
Pickup Radius	10m
Directions Configurable	Yes
Microphone Array	32
Sensitivity	-32±2dB
Frequency	75-20KHz
SNR	≥70dB
Algorithms	
Supported Algorithms	AFC/ANS/AEC/AGC/ARR
Echo Cancellation	≤90dB, ≤1s
Reverberation	≤18dB
Maximum Gain	≤30dB
General	
Power	DC12V
Dimensions (LxWxH)	350mmx350mmx32mm
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Color	Silver

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