

Dual-lens 4K All-in-One USB Video Bar

CVC606



Dual-Lens



AI-Assisted Functions



Intelligent Director



PTZ



Dual-Channel Amplifier

The CVC606 integrates dual-lens and audio-video capabilities for medium to large meeting spaces. It features a 4K UHD panoramic and close-up camera system, a digital microphone, and a full-range speaker. Built-in AI video processing algorithms automatically adjust camera framing based on meeting dynamics, capturing optimal panoramic and close-up shots without manual intervention, ensuring an efficient collaboration experience.

Dual-Lens Integration



This system has a dual-lens design, with panoramic and close-up lenses equipped with 4K UHD CMOS sensors for clear and detailed images. The panoramic lens has a 117° FoV, while the close-up lens features a 70° FoV and 12x optical zoom. It is supported by a $\pm 140^\circ$ PTZ that captures meeting details.

All-in-One Design



The device integrates a 4K panoramic camera, a 4K close-up camera, a digital microphone array, and a full-range speaker, achieving high integration with minimal cabling. This streamlined setup ensures a professional audio-visual experience.

AI-Assisted Functions



The video bar integrates multiple recognition algorithms, including head, facial, human figure, and sound localization. It can identify the number of participants and their position changes, automatically adjusting the camera to capture the optimal frame, significantly enhancing meeting efficiency.

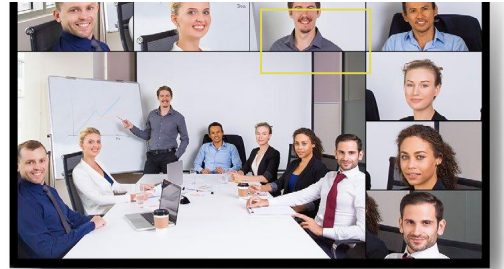
Smart Gallery



Auto Framing



Voice-triggered



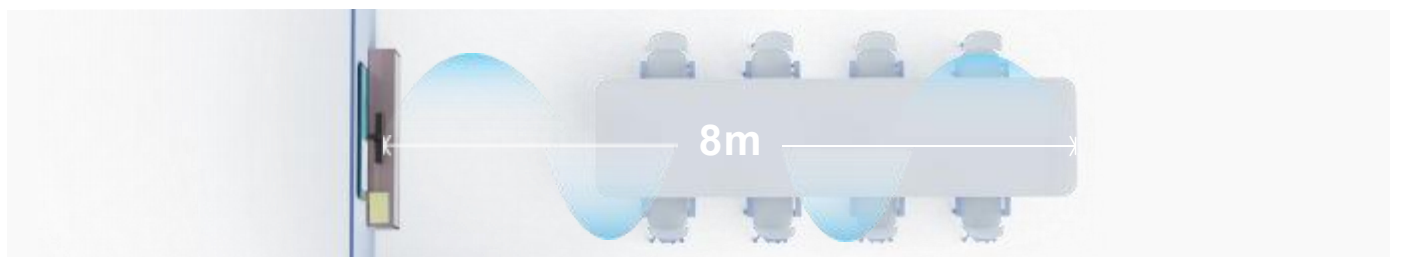
The AI algorithms for human facial and figures can automatically adjust the screen layout based on the number of participants, capture close-up images of each person, and arrange them evenly, ensuring everyone is visible during conferences. Additionally, when participants speak, the edges of their close-up images change color and flash to attract attention, making communication more effective.

Multi-Camera Intelligent Director



The camera can be used alone in a meeting, or as a front camera, forming an audio and video collaborative solution with a desktop 360° panoramic camera. Equipped with an AI smart director, it can automatically switch between the front view and the multi-angle view of the participant, bringing a realistic communication experience at any time.

8m Audio Pickup



The device features a built-in beamforming microphone that automatically locates the speaker's sound source and adjusts for precise capture, ensuring balanced and consistent audio pickup up to 8

CVC606 SPECIFICATIONS

CLOSE-UP CAMERA PARAMETERS

Video Resolution	4K@30/25fps,1080P@30/25fps,720P@30/25fps,etc.
Sensor	CMOS,1/2.5 inches,8.29 million effective pixels (3840*2160)
Lens Focal Length	12X,f=4.4~51.1mm,F1.8~2.6
Horizontal Field of View	70.19~7.4°
Vertical Field of View	40.7°~4.2°
Horizontal Rotation Range	-90°~+90°
Vertical Rotation Range	23°~+23°
Horizontal Rotation Speed Range	1.7°~76°/s
Vertical Rotation Speed Range	0.5°~15°/s
Horizontal and Vertical Flip	Support
Image Freeze	Support
Number of Preset Positions	255
Preset Position Accuracy	0.1°
Mechanical PTZ	Support
Auto Focus AF	Support
White Balance	Automatic,Indoor,Outdoor,One-touch,Manual
BLC	Support
Digital Noise Reduction	2D&3D Noise Reduction
Signal-to-Noise Ratio	>=55dB

AUDIO

Speaker	2 full-range speakers
Built-in Microphone	6 analog silicon microphones,beamforming microphones,pickup distance 8 meters
Audio 3A Algorithm	Support
Sampling Rate	Mic 32K,speaker 48K
Extended MIC	Support

GENERAL SPECIFICATIONS

Security	Kingston anti-theft lock socket
Operating/Stored Temperature	0°C~40°C/-40°C~60°C
Dimensions(LxHxD)	Without bracket:600mmx127.1mm x182.1mm With bracket:600mm x 127.1mm x217.1mm

PANORAMIC CAMERA PARAMETERS

Video Resolution	4K@30/25fps,1080P@30/25fps,720P@30/25fps,640*360@30/25fps
Sensor	CMOS,1/2.8 inches,8.51 million pixels
Optical Lens	Fixed-focus lens focal length:2.8mm DFOV:117°HFOV:108°VFOV:74°
Mechanical PTZ	Not support
EPTZ	Support
White Balance	Automatic
BLC	Support
Digital Noise Reduction	2D&3D Noise Reduction
Signal-to-Noise Ratio	≥55dB

USB FEATURES

Supported Operating Systems	Windows 7 (supports 1080p and below only), Windows 8.1,Windows 10 or higher Mac OSTM10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux(UVC support required) 2.4 GHz Intel@Core 2 Duo processor or higher
Hardware Requirements	2 GB RAM or higher USB 2.0 port(4K requires USB 3.0) USB3.0,backward compatible with USB2.0
Connection Type	
Color Space/Compression	MJPEG/YUY2
USB Video Communication Protocol	UVC 1.1、UAC 1.0
UVC PTZ Control	Support

INPUT AND OUTPUT INTERFACE

USB 3.0	1×USB 3.0,type-C,Support audio/video transmission and firmware upgrade
HDMI	1×HDMI,supports local video display 1 channel,USB
USB 2.0	2.0,type-A,female,connect to USB wired expansion microphone 1×RJ45,connect to network port expansion microphone,support POE power supply
Network Port	1×RJ45,10/100M adaptive Ethernet port,supports network transmission of audio and video
Power Interface	DC 12V
Bluetooth	Bluetooth 5.0,supports Bluetooth connection to mobile phones,laptops and other devices,and transmits audio
Wifi	Wifi 5,supports BYOM wireless transmission and BYOD wireless screen projection (extra screen projection device is required)
Remote Control	Support