

Shenzhen Panda Cloud Industry Co., Ltd

4K All-in-One USB Video Bar

CVC603



20MP UHD
BYOD



Micro PTZ

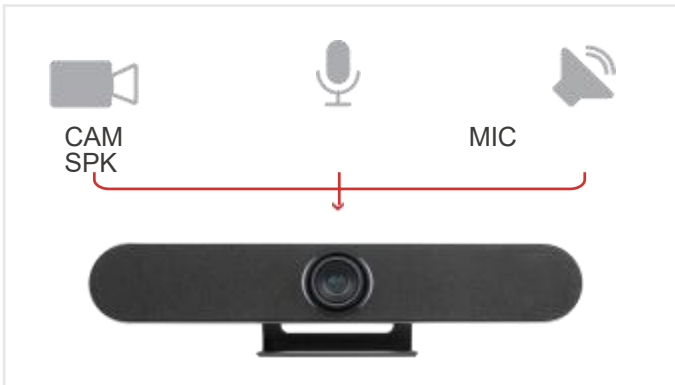


AI-Assisted Functions

The CVC603 is a USB video bar designed for small to medium-sized enterprise meeting spaces. It includes a 4K UHD camera, a digital microphone, and a full-range speaker. The 20-megapixel video resolution offers a clear panoramic view and individual close-ups of the meeting. It also features AI video processing algorithms for efficient remote communication and collaboration.



4K



Equipped with a 4K UHD CMOS sensor of 1/1.8 inches and 20 million effective pixels, it outputs 4K (3840x2160) UHD resolution images and is backward compatible with resolutions such as 1080P and 720P.

120° Field of View



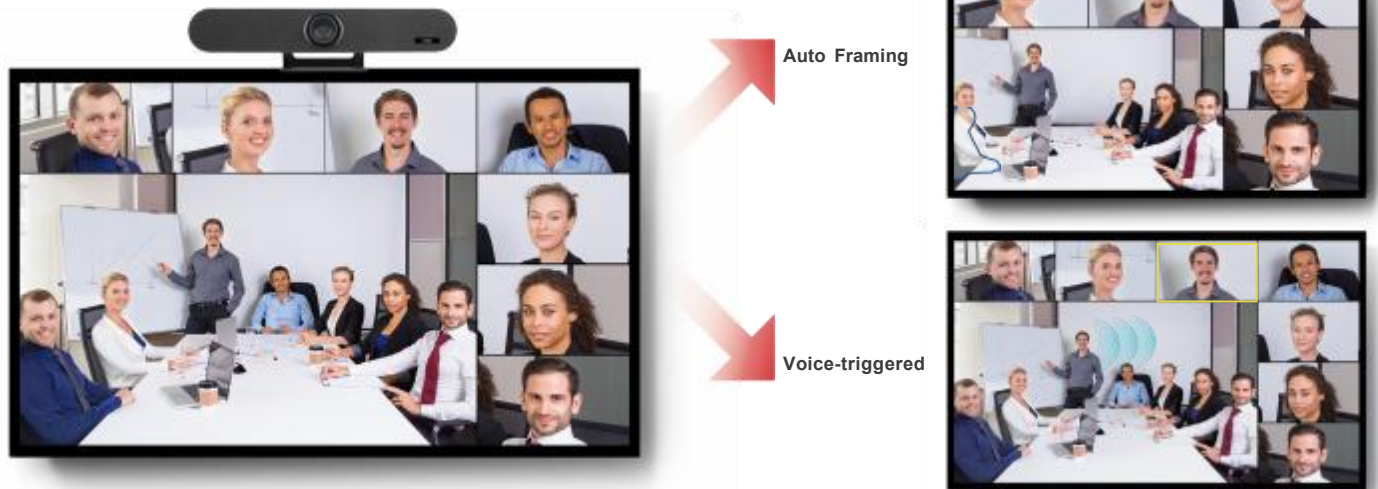
The lens supports a 120° wide FoV with 8x digital zoom, clearly capturing every corner of the meeting room. It features a $\pm 15^\circ$ PTZ, ensuring that all participants are included regardless of their position.

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



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.

BYOD & BYOM



Equipped with a built-in WiFi module, it allows participants to use their devices to join meetings and access the integrated audio-video functions. It also supports wireless screen mirroring from computers to the device.

6m Audio Pickup and Full-Range Speaker



A built-in beamforming microphone automatically locates the speaker's sound source and adjusts for precise capture, ensuring balanced and consistent audio pickup within a 6-meter range. Integrated full-range high-fidelity speakers ensure that remote audio is transmitted clearly.

CVC603 SPECIFICATIONS

Video Resolution	4K@30fps, 1080P@30fps, 720P@30fps, etc.
Sensor	1/1.8 inches, CMOS, effective pixels: 20 million
Optical Lens	114° (DFOV), 105° (HFOV), 8 x digital zoom, horizontal/tilt ±15
PTZ	Mechanical pan/tilt (MPTZ) + EPTZ
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Signal-to-Noise Ratio	≥ 55dB
BLC	Support

INPUT AND OUTPUT INTERFACE

USB 3.0	1 × USB3.0, Type-C, female connector, supports audio and video transmission, supports firmware upgrade
HDMI	1 × HDMI, supports local video display
USB 2.0	1 × USB2.0, Type-A, female, connect to USB wired expansion microphone
Network Port	1 × RJ45, connect to network port expansion microphone, support PoE power supply 1 × RJ45, 10/100M adaptive Ethernet port, supports network transmission of audio and video
Power Interface	1 power interface
Bluetooth	Bluetooth 5.3, supports Bluetooth connection to mobile phones, laptops and other devices, and transmits audio
Wifi	Wifi 6, supports BYOM wireless transmission and BYOD wireless screen projection (extra screen projection device is required)
Remote Control	Support remote control

AUDIO

Full Range Speakers	96 dB SPL at 0.5 m
Microphone Array	Beamforming microphone, pickup distance 6 meters
Extended MIC	Support (Optional)

USB FEATURES

Connection Type	USB 3.0, backward compatible with USB2.0
Color Space/Compression	MJPEG / YUY2
USB Audio	32K sampling rate, support UAC 1.0
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (ePTZ)

Installation	Supports multiple installation options such as desktop, wall, TV, etc.
Standard Cables	USB cable
Security	Anti-theft lock jack

GENERAL

Power Supply	DC 12V, 2A (MAX)
Operating Temperature	0°C ~ 40°C
Stored Temperature	-40°C ~ 60°C
Dimensions (L x H x D)	600mm*135mm*117mm
Net Weight	2.5 Kg