

V 1.1 - 082025



4K Videobar with PTZ Camera



The Video Bar with PTZ Camera is designed for seamless professional communication, featuring exceptional video clarity at various frame rates and an advanced audio system with six built-in beamforming microphones and two full-range speakers. It boasts a CMOS sensor with 8.29 million effective pixels, mechanical PTZ capabilities with up to 255 preset positions, and automatic focus with digital noise reduction for crystal-clear images and sound. Ideal for boardrooms and classrooms, it offers flexible connectivity options including HDMI, USB 3.0, RJ45, and Bluetooth 5.0, making it easily scalable to various setups. Pricing details will be determined based on configuration and additional features.

Key Features

- **4K Resolution:** 4K technology in this camera ensures high-definition video quality, meeting market demand for clear visuals in professional settings.
- **Enhanced Audio Technology:** With advanced beamforming microphones, the camera excels in noise cancellation and audio clarity, a trend driven by the rise in remote work and virtual meetings.
- **Automated Features:** The inclusion of auto-focus and digital noise reduction aligns with the trend toward user-friendly, automated solutions that enhance user experience without manual adjustments.
- **Flexible Connectivity:** Offering multiple connection options, including USB 3.0 and Bluetooth, meets the increasing need for versatile integration in various environments, reflecting current preferences for adaptability.
- **Mechanical PTZ Capabilities:** The camera's mechanical pan-tilt-zoom functionality addresses the growing demand for dynamic video conferencing solutions, allowing for more engaging presentations and interactions.

General 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 x 2160)

Lens Focal Length : 12X, f=4.4~51.1mm, F1.8~2.6

Horizontal Field of View : 70.1° ~7.4°

Horizontal Rotation Range : -90° ~ +90°

Horizontal Rotation Speed Range : 1.7° ~ 76° /s

Vertical Field of View : 40.7° ~4.2°

Vertical Rotation Range : 23° ~ +23°

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

Panoramic camera parameters

Video Resolution : 4K@30/25fps, 1080P@30/25fps, 720P@30/25fps, 640 X 360@30/25fps

Sensor : CMOS, 1/2.5 inches, 8.29 million effective pixels (3840*2160)

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

General specifications

Security : Kingston anti-theft lock socket

Operating/Stored Temperature :

0° C ~ 40° C / -40° C ~ 60° C

Dimensions (L x D x H) :

- **Without bracket:** 600mm x 127.1mm x 182.1mm
- **With bracket:** 600mm x 127.1mm x 217.1mm

General Specifications

USB features

Supported Operating Systems :

- Windows® 7 (supports 1080p and below only),
- Windows 8.1, Windows 10 or higher
- Mac OS™ 10.10 or higher
- Google™ Chromebook™ Version 29.0.1547.70 or higher
- Linux (UVC support required)

Hardware Requirements :

- 2.4 GHz Intel® Core 2 Duo processor or higher
- 2 GB RAM or higher
- USB 2.0 port (4K requires USB 3.0)

Connection Type : USB3.0, backward compatible with USB2.0

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

USB 2.0 : 1 channel, USB 2.0, 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 : DC 12V

Remote Control : Support

Ordering Information

4K Videobar with PTZ Camera : PPL-INVC-4K-SB

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