PeopleLink 4K Impact Bar

PeopleLink Video Collaboration 4K Impact bars are appliances that provide a robust and flexible scaling platform for creating the ultimate video collaboration experience. One of the most advanced, portable and feature-rich Codecs available in the market to deliver ultimate combination of Audio, Video and Data streams to provide an unmatched real time collaboration.

Integration Design

Integrated 4K UHD camera, array microphone, high-fidelity speaker, high-performance android chip, single device connected to the network and connect with display device to hold meeting.

One Device Two uses

It can be used as an android video conferencing terminal, or as an integrated audio and video USB camera connected to a PC as a peripheral

Built-in AI

Support automatic box selection and sound source tracking

Dual Screen Different Display

2 x HDMI output supported, displays the main and secondary streams in full screen, respectively.

Super Decoding

1 x 4K@60fps, 8 x 1080P@30fps, 16 x 720P@30fps, 32 x 480P@30fps, 64 x 360P@15fps

Multi-Protocal Convergence (Optional)

Self-developed H.323/SIP terminal software with super interoperability, support install Tencent conference and other third-party cloud video conference client, and realizes the integration of the two

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Specifications

4K Impact Bar Specifications :

Video Features
- Native 16:9 Widescreen
- Advanced Screen Layouts

Resolution
- 4K @ 30fps
- 1080p@ 60fps / 30fps
- 720p@ 60fps / 30fps
- 4CIF @ 30fps , CIF , QCIF

Protocols
- H.323
- SIP
- WebRTC (Unified communication Platform)

Bandwidth
64kbps ~ 8Mbps

Video Standards and Protocols Supported
H.263, H.263+, H.263++, H.264, H.264 SVC, H.264 High Profile, VP8 / VP9

Audio Standards and Protocols Supported
G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK, Opus.

Video Input
- 1 x Built-in HD Camara;
- 1 x HDMI IN, support HDMI 1.4, maximum resolution 1080P@30Hz.

Built-in Camara
• Sensor: 1/2.5" CMOS, 8.51 million effective pixel;
• Viewing Angle： DFOV:121°， HFOV： 110°；
• 5x Digital Zoom;
• PTZ: Mechanical PTZ (MPT), Horizontal / Vertical: ±15°；e-PTZ (EPTZ);
• Backlight Compensation: Supported;
• Digital Noise Reduction: 2D & 3D Digital Noise Reduction;
• S/N Ratio: ≥ 55dB.

Output
- 1 x HDMI OUT1, support HDMI 2.1, support CEC, maximum resolution 4K@60Hz;
- 1 x HDMI OUT2, support HDMI 1.4, maximum resolution 1080P@60Hz.

Audio Input
- 1 x Built-in array microphone, the pickup distance is 6m;
- 1 x USB 2.0;
- 1 x HDMI IN (The USB interface expansion reserved on the motherboard);
- 1 x Bluetooth audio input (optional)
- 1 x 3.5mm linear input

Output
- 1 x Built-in speaker (SPL 96dB@0.5m)
- 1 x USB 2.0
- 1 x HDMI OUT
- 1 x Bluetooth audio output (optional)
- 1 x 3.5mm linear output

Features
- Automatic gain control (AGC);
- Automatic echo cancellation (AEC);
- Automatic noise suppression (ANS) ;
- Automatic Lip Sync.

Content Sharing
1 x HDMI (Wired Content sharing)
Wireless Content Sharing

IP Network Features
- TCP/IP,DHCP,UDP, SSH, HTTP, HTTPS with SSL/TLS

Video Encoding and Decoding
- Video stream:- 4K @ 30fps
- Content stream :- 1080p @ 30fps

Security Features
- AES-128/256 signaling and media stream encryption
- TLS & SRTP
- Administrator password, SSH/HTTPS

Standards & Protocols
- ITU-T H.323, IETF SIP, ITU-T H.239, BFCP

Network
- IPv4 and IPv6 support
- Auto/Manual Gatekeeper Discovery
- IP Precedence
- H.323 based Packet Lost Recovery

Firewall Traversal
H.460, ICE

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Figure.1 Front View

Figure.2 Rear View

Other Communication Protocols
H.221, H.224, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF

Provision for Software based VC Apps
inVC (native) and support for other Apps of the likes of Cisco WebEx, Zoom, Google Meet, Microsoft Teams

USB Interface
- 1 x USB 3.0 Type-A Host
- 1 x USB 2.0 Type-A OTG
- 1 x USB 3.0 Type-C (used to connect with
- PC as a camera and SpeakerPhone)

Network Interface
- 1 x RJ45, 10M/100M/1000M Base-T
- 1 x RJ45, 10M/100M Base-T, Support 15WPSE
- 1 x WiFi, 802.11a/b/g/n/ac

Power Supply
1 x DC 12V/3A Power Interface
Maximum power consumption
36W (max.)

Working temperature
- 0° C ~ 40° C (operating state), -40° C ~ 70° C (non-operating state);
- Relative Humidity: 10% ~ 80% (operating state), 0% ~ 95% (non-operating state)

Package Includes
- AIO BAR x 1
- Infrared remote-control x 1
- Power Adapter x1
- AC Power cable x1
- HDMI cable (1.5m) x 2
- User Manual (Quick Start, Quick Setup Guide)

Part Codes
PeopleLink 4K Impact Codec : PEP-PIS-4KB

www.peoplelinkvc.com