Single-Cable Wired BYOM Pod

BY42

Plug and Play | 4K Wired Screen-Sharing | BYOM | PD Reverse Charge

Designed for business conference screen-sharing scenarios, this solution seamlessly integrates with cameras, all-in-one video bar, video conferencing terminals, and other AV devices. Featuring plug-and-play functionality, it employs wired connectivity to deliver ultra-high-resolution screen sharing and BYOM (Bring Your Own Meeting) applications, effectively addressing the needs of modern enterprises for adaptable meeting environments.



FEATURES

▼ PLUG-AND-PLAY
Without any driver/software installation, it can achieve instant screen mirroring and one-touch mute control, which gives users an easier meeting experience.

▼ 4K SCREEN SHARING
Hardware encoding and decoding ensure wired 4K screen sharing with pixel-perfect fidelity while delivering 1080P resolution in BYOM mode for smooth meeting detail rendering.

▼ HIGH COMPATIBILITY
USB-C/HDMI/PD in Port inputs ensure compatibility with PCs and cameras. 1000BaseT Ethernet enables long-distance AV signal transmission for large conference rooms or distributed deployment.

▼ MULTIPLE POWER OPTIONS
PoE/USB-C power options with reverse 60W PD charging capability. Eliminates redundant power adapters and simplifies cabling infrastructure.

SPECIFICATIONS

▼ AUDIO AND VIDEO CHARACTERISTICS OF USB-C

USB-C Video Resolution	3840x2160, 2560x1600, 1920x1200, 1920x1080, 1366x768, 1280x800, 1280x720, 1024x768
Screen Mirroring Encoding Resolution/ Frame Rate	Up to 3840x2160, 30fps
Video Encoding Format for Screen Mirroring	H.265/H.264
Audio Encoding Format for Screen Mirroring	32KHz/16bit PCM, Mono/Stereo
Return Encoding Resolution/ Frame Rat	Up to 1920x1080, 30fps
Return Video Encoding Format	MJPEG
Return Audio Encoding Format	32KHz/16bit PCM, Mono/Stereo

▼ CONTROL CHARACTERISTICS

USB Control Protocol	UVC/UAC
Body Button	1 screen mirroring button to turn screen mirroring on/off, with dual - color status indicator light
	1 mute button to control local mute in BYOM application scenarios, with dual - color status indicator light

▼ SYSTEM COMPATIBILITY

Cloud Video Conferencing Software Supported	Microsoft Teams、Zoom、Google Meet
Playback App Supported	Camera application in Windows 10/11 QuickTime application in Mac OS X Other third-party media playback software Windows 7/8.1/10/11 32/64-bit Mac OS X 10.10/10.11/10.12/10.13 or later
Operating System Supported	Windows 7/8.1/10/11 32/64-bit Mac OS X 10.10/10.11/10.12/10.13 or later

▼ I/O INTERFACES

USB-C	1 × USB 2.0 Type-C, female socket, supports PD input, USB audio and video output, control signaling transmission, and PD reverse power supply. Maximum power supply capacity: 65W (external power adapter required). 1 × USB 2.0 Type-C, female socket, supports USB PD3.0 protocol, input voltage: up to 20V/3.25A
Ethernet	1 × RJ45, supports 10M/100M/1000Mbps half - duplex and full - duplex adaptive negotiation, supports POE power supply (for the device's own operation only).
HDMI	1 × HDMI 2.0, female socket, supports 4KP30 video input

▼ GENERIC SPEC

Input Voltage	USB 5V /PoE（IEEE802.3af）
Input Current	0.6A
Maximum Power Consumption	3.0W
Operating Temperature	0℃ ~ +40℃;
Storage Temperature	-40℃ ~ +60℃
Operating/Storage Humidity	0 ~ 90% (relative humidity, no condensation)
Dimension (W × H × D)	120 x 18 x 45mm (Excluding wire length)
Net Weight (g)	114g

INTERFACE

1 —— POWER
2 —— HDMI
3 —— LAN

