

DVDO-CS-1

AV Conference System with USB-C & HDMI Inputs and Built-in DSP & Amplifier

DVDO-CS-1 is an AV conference system with USB-C and HDMI inputs, USB host and device ports and dual HDMI output.

It includes a built-in DSP with two microphone inputs, two line-in inputs and two line-in outputs as well as a 2x20W amplifier with speaker output.

It can be controlled over IP with an intuitive web GUI allowing to configure various video and audio settings.

The signal processing allows configuration and control for routing, mixing, filtering, ducking, equalization, delay and echo cancellation.



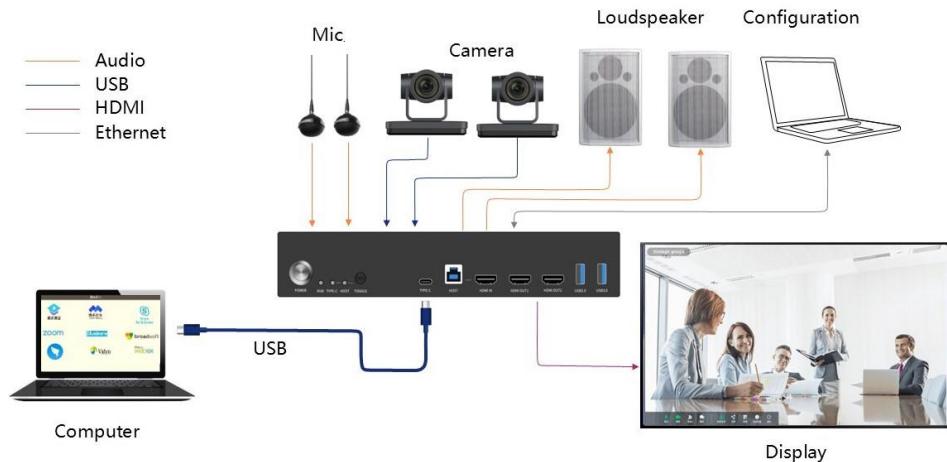
Features

- Two video inputs: 1 x USB-C + 1 x HDMI with USB-B host port
- Video inputs and outputs support resolutions up to 4K 60Hz 4:4:4
- Two USB 3.0 device ports for webcams, video bars, PTZ cameras, KVM,...
- Two mirrored HDMI outputs for connection to single or dual display
- High performance DSP technology for 2 x microphone inputs, 2 x line level inputs and 2 x line level outputs
- Audio embedding and de-embedding to/from HDMI and USB-C inputs
- Built-in 2x20W power amplifier for speaker output
- TCP/IP control with Web GUI with multiple audio and video controls
- Configurable DSP settings include routing, mixing, filtering, ducking, equalization, delay, echo cancellation,...

Applications

- Conference Rooms	- Training Rooms
- Boardrooms	- Education
- Lecture Halls	- Classrooms

Application Diagram



Technical Specifications

Video	
Video Inputs & Outputs	Inputs: 1 x USB-C (Type-C USB 3.2) + 1 x HDMI 2.0 / Outputs: 2 x HDMI 2.0
Video Resolutions	Inputs: up to 4K60 4:4:4 (USB-C & HDMI) / Outputs: up to 4K60 4:4:4
Audio	
Frequency Response	20Hz~20kHz @ +4dBu / MIC: +0/-2dB / Line input: +0/-0.5dB
THD +N	1kHz @ +4dBu / MIC: < 0.009% / Line input: < 0.007%
Equivalent Noise	< -84dBu(20Hz~20kHz@22dB)
Dynamic Range	> 105dB(20Hz~20kHz@0dB)
Max Input / Output Level	Input: MIC: -2dBu / Line input: 20dBu / Output (balance): 20dBu
Maximum Gain	MIC: 50dB / Line input: 0dB
Impedance	Input: MIC: 2.2kΩ / Line input: 20kΩ / Output: 400Ω
Sampling Rate	48kHz
A/D-D/A convertor	24-bit
Phantom Power	DC 48V
Amplifier Specifications	Resistance output: 4-8 Ω speaker Rated power: 2x20W Frequency Response: 20Hz-20kHz(±2dB) Input Sensitivity: 50mV THD: <1% / SNR: >100dB
Control	
USB	2 x USB 3.0 Type-A ports for devices
TCP/IP	1 x 100BaseT on RJ45 port
General	
Operating Temperature	Operating: -5°C ~ +55°C / Storage: -25°C ~ +70°C
Relative Humidity	10%-90%
Power Supply	DC 18V / 6A
Dimensions	210 (W) x 164 (D) x 44 (H) mm
Weight	1.6kg (net weight) / 2.1kg (gross weight)