

# AVONE-1000

8x8 Digital Audio Processor



AEC

ANS

AMC

AGC

AFC

## Features

- Using 5A algorithm technology, it has powerful audio processing functions;
- Support seamless 1Gb video matrix, 4K30 4:4:4;
- Supports high dynamic range (HDR) and HDR10 and 36-bit deep color;
- Equipped with minimalist central control programming, using a drag-and-drop user interface and graphical operation mode;
- Adopting an integrated equipment design, integrating audio processor, video matrix and central control;
- Independent channel AFC (feedback suppression), using notch algorithm, sound transmission gain improvement: 10dB, noise suppression (ANS), signal-to-noise ratio improvement of 18dB;
- 8-band British parametric equalizer, providing 5 filter options: Parametric, Lowshelf, Highshelf, Lowpass, Highpass;
- Built-in USB sound card, supports music playback, recording and soft video conferencing (such as: ZOOM, Tencent Conference, DingTalk Conference, etc.);
- Compatible with HDMI 2.0, HDCP 2.2, HDCP 1.4 and DVI 1.0;
- 4 HDMI inputs and 4 HDMI outputs;
- Independent channel audio separation to digital audio processor;
- Intelligent EDID management, including AUTO, COPY and STD;
- 6 channels adjustable · RS-232/RS-485;

## Specifications

Processor	ADI SHARC 21489	Maximum level	+18dBu
HDMI seamless matrix	4x4	THD+N	<-92dB @17dBu
Number of analog input and output channels	8x8	Input dynamic range	110dB
		Output dynamic range	110dB
Sampling rate/ number of quantization bits	48K/24bit	Channel isolation @1kHz	108dB
		Input impedance(balanced connection)	5.4kΩ
Input gain	0/3/6/9/12/15/18/21/24/27/ 30/33/36/39/42/45/48 dBu	Output impedance (balanced connection)	600Ω
		Phantom power	+48V/10mA max
		Audio system delay	<3ms
Frequency response (20~20kHz)	±0.5dB	Working voltage	AC220V/50Hz