

AV System Manager with 8 In 8 Out DSP Audio Processor
Features:

- ▶ The AV+ series multimedia management host features a compact 2U design, offering robust audio processing capabilities and exceptional video quality. It supports seamless 4K60 4:4:4 video switching, HDMI 2.0, and HDR.
- ▶ Utilizes 5A algorithm technology, offering powerful audio processing capabilities.
- ▶ Supports seamless 10Gb video matrix, with 4K60 4:4:4 resolution.
- ▶ Supports High Dynamic Range (HDR) and HDR10 with 36-bit deep color.
- ▶ Equipped with a simplified central control programming interface, featuring a drag-and-drop user interface for graphical operation.
- ▶ Adopts an all-in-one device design, combining an audio processor, video matrix, and central control in one unit.
- ▶ Independent channel Automatic Feedback Control (AFC) using notch filter algorithms, providing a gain increase of 10dB and noise suppression (ANS) for an 18dB improvement in signal-to-noise ratio.
- ▶ Features an 8-band British-style parametric equalizer with five filter options: Parametric, Lowshelf, Highshelf, Lowpass, and Highpass.
- ▶ Built-in USB sound card, supporting music playback, recording, and software video conferencing (e.g., Zoom, Tencent Meeting, DingTalk Meeting, etc.).
- ▶ Compatible with HDMI 2.0, HDCP 2.2, HDCP 1.4, and DVI 1.0.
- ▶ Includes 4 HDMI inputs and 4 HDMI outputs.
- ▶ Provides independent audio separation for each channel to the digital audio processor.
- ▶ Smart EDID management, offering AUTO, COPY, and STD modes.
- ▶ Four RS-232 and four RS-485 ports with adjustable baud rates for individual configuration.



Model	DSP-880AV+
Audio Channel	8*8
HDMI Matrix Channel	4x4
Control Interface	RS232 x 3; RS485 x 3
Processor	ADI SHARC 21489
Sampling Rate/Quantization Bit Depth	48K/24bit
Floating-Point Processing Engine	40bit DSP
Input Gain	0/6/12/18/24/30/36/42/48dB
Phantom Power	+48V/10mA max
Maximum Level	+18dBu
THD+N	<-92dB @17dBu
Input Dynamic Range	110dB
Output Dynamic Range	110dB
Channel Isolation	@1kHz:108dB
Input Impedance (Balanced):	5.4k Ω
(Output Impedance (Balanced))	600 Ω
Audio System Delay	<3ms
Video Resolution	4K2K@60Hz YCbCr 4:4:4
Uncompressed Video Bandwidth	18Gbps
Video Support	Dolby Vision、HDR 10+、HLG
Operating Voltage	AC220V/60Hz