

# MDP1016

## AV Processing Center

16 In x 8 Out



### Features

- **Versatile Function Integration:** Combines the capabilities of a professional audio processor and an HDMI matrix, delivering comprehensive audio-visual processing and management to meet diverse application requirements.
- **High-Quality Transmission:** The audio processor supports up to 8 analog inputs and 8 analog outputs, ensuring high-fidelity signal transmission and stable processing for a clear, reliable audio-visual experience.
- **Advanced Audio Processing:** Equipped with multiple advanced algorithms—including Acoustic Echo Cancellation (AEC), Feedback Suppression, and Auto-mixer—the processor effectively eliminates echo, noise, and acoustic feedback during multi-participant interaction, ensuring consistent clarity and stability.
- **Video Signal Management and Seamless Switching:** The integrated seamless HDMI matrix supports various video signal types, enabling unified management and smooth switching between multiple sources. This delivers high-resolution video output with uninterrupted transitions.
- **Intelligent Control and System Synchronization:** With ATS auto-mixing technology and communication with the camera auto-tracking module, the system can automatically adjust camera angle and zoom. Bidirectional communication with the video matrix ensures synchronized camera tracking and video output, enhancing meeting engagement and communication efficiency.
- **ONVIF Network Camera Control:** Supports direct login and control of network cameras via the ONVIF protocol. Camera presets can be saved and recalled quickly within the software, ensuring broad compatibility and simplified user operation.
- **Multi-Window Video Display:** Video output supports 1/2/3/4-window display configurations, and with multiple layout options in dual-window mode. When paired with microphones, the system enables simultaneous display of fixed views and ATS voice-activated tracking views, enhancing adaptability across scenarios.
- **Seamless Compatibility with Major Platforms:** Fully compatible with Zoom, Microsoft Teams, Webex, and other mainstream conferencing platforms, providing a smooth and efficient meeting experience.

### Specifications

Audio Processing	
Analog Input/Output Channels	16x8
Processor	ADI SHARC 21489@450 MHz SIMD
DSP Processing Capability	400 MIPS, 1.6 GFLOPS
Input Gain	0/3/6/9/12/15/18/21/24/27/30/ 33/36/39/42/45/48 dB
Frequency Response	20Hz~20kHz (+0.04~-0.3dB)
Maximum Level	+18dBu
Sampling Rate	48 kHz, 24Bit
THD+N	<0.001% (1kHz, +4dBu A-weighted)
Device Noise	≤-95dB (A-weighted)
Input Common Mode Rejection Ratio	≥81dB@1kHz, 0dBu
Output Crosstalk	< -92dB@1kHz, 0 Gain
Input Dynamic Range	113dB
Output Dynamic Range	113dB
Video Processing	
HDMI Input	4
USB 3.0 Input	1
Type-C Output	1
HDMI 1 Output	1
Video Resolution	4K 60Hz 4:4:4
Switching Mode	Seamlessly Switch
Device Parameters	
Operating Voltage	110-240VAC
Dimensions (W x D x H)	482 x 261 x 66mm
Shipping Weight (Net/Gross Weight)	3.75kg/5.48kg