



At the core of every SAVI IQ audio system, the versatile **DSP.One** simplifies system configuration, installation, and expansion with no licensing or additional software required. The **DSP.One** is feature-rich, housing signal processing, a matrix mixer, physical 16 x 16 I/O, zone paging, 8 microphone inputs, and an intuitive UI, enabling integrators of all skill levels to deliver complex audio experiences at a fraction of the time and cost.

**DSP.One** includes **SAVI Link**, a standards-based AoIP system combining analog and IP sources over the network, allowing dealers to connect the entire project with network-based amplifiers for a large, distributed environment.

## KEY BENEFITS

- Reimagined configuration DSP UI: clean, intuitive, and works on any web-enabled device with no software to download
- Packed with I/O: 16 line-level analog inputs/outputs and 8 microphone pre-amps
- Eliminates license management and seamlessly combines all sources over the network via **SAVI Link**
- No external mixer required; **DSP.One** supports up to 16 mixes with any combination of sources, including **SAVI Link**, inputs, and microphones
- Front screen and status LEDs for at-a-glance information, troubleshooting, and quick configuration

## SPECIFICATIONS

DSP Features	
Audio inputs	16 balanced line-level analog (8 configurable as a microphone), 16 SAVI Link
Audio outputs	16 balanced line-level analog
Crosstalk	70 dB (20 Hz to 20 kHz)
Equalizer	10 band graphic EQ per channel
Frequency response	+/- 0.5 dB @ 4 ohm, 8 ohm, 70 V, 100 V, -2.5 dB @ 20 kHz at 2 ohm
Interoperability	AES67
Filters	Up to 48 dB per octave
Mixer features	8 assignable paging inputs with ducking, mixes assignable to multiple outputs
Output delay	Up to a 7.2-second audio delay for video lip sync
Output protection	DC, VHF, and AC mains protection, over temperature and current limiter, fan fault detection
Signal-to-noise level	105 dB (20 Hz to 20 kHz referenced to 8 ohm)

**DSP Features**

Test tones	White noise and tone generator assignable per output
THD+N	0.1% (20 Hz to 20 kHz)

**Control, Monitoring, and Network**

Control integration system	Integrated with SAVI Controls
IP control	Three methods: SAVI Creator, SAVI Facility View, and Direct control through a built-in web server and user-friendly interface, no software download needed
Network configuration	DHCP or static IP address
Network connectivity	10/100/1000 Mbps ethernet
LAN port	8-pin RJ45 port with status LEDs
Supported operating systems	Windows, Linux, Mac, Chrome OS
User Interface	Realtime monitoring and control from web browser user interface or API

**Electrical**

Power consumption	1 A
Power input	100-240 V ~ 50/60 Hz

**Inputs**

Analog audio	16 each, balanced line-level inputs with up to 8 configurable microphone inputs
Connector type	16 each, 3-pin Phoenix connector
Digital audio	Up to 16 channels SAVI Link (SDP, RTP, UDP, or RTSP stream)
Digital audio input sample rate	44.1 kHz/48 kHz

## Outputs

Analog audio	16 independent line-level outputs
Audio playback formats	48 kHz
Connector type	16 each, 3-pin Phoenix connector
Digital audio	Up to 16 channels SAVI Link (SDP, RTP, UDP, or RTSP stream)
Subwoofer	All outputs configurable with LPF for sub-outputs

## Mechanical/Environmental

Dimensions	1.75 in x 19 in x 15.5 in (HxWxD)
Mounting	Integrated rack ears for 1U mounting
Operating temperature	32 to 86 °F (0 to 30 °C)
Storage temperature	-40 to 185 °F (-40 to 85 °C)
Rack spacing	1U
Weight	7.5 lb

## Included Accessories

Power cord	6 ft 20 A NEMA 5-15P to IEC power cord
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Visit the [SAVI IQ store](#) to explore all of our branded products!