

Audio Monitors (with gateway function)

AM-3845/AM-3849



Supports External Display
(future update)

Gateway Function - Audio Interface Conversion for Up to 208 Channels

- Simultaneous audio monitoring and interface conversion.
- Matrix conversion: IP audio (ST-2110-30, Dante), digital audio, (AES, MADI), analog

Out-of-Band Design for Control and Audio Networks

- Equipped with three independent network interfaces (RJ45×3)
- Enables separate network support for ST 2110-30 audio I/O and NMOS IS-04/05

Large 7-Inch Front LCD Panel with Versatile Monitoring Functions

- Dual-screen display, audio level bars, Lissajous, VU meter, LU meter, spectrum analyzer, loudness measurement, loudness history, and timecode display
- SDI input video display
- Monitoring video can be output via built-in DVI for multi-display on a large screen (via software update)

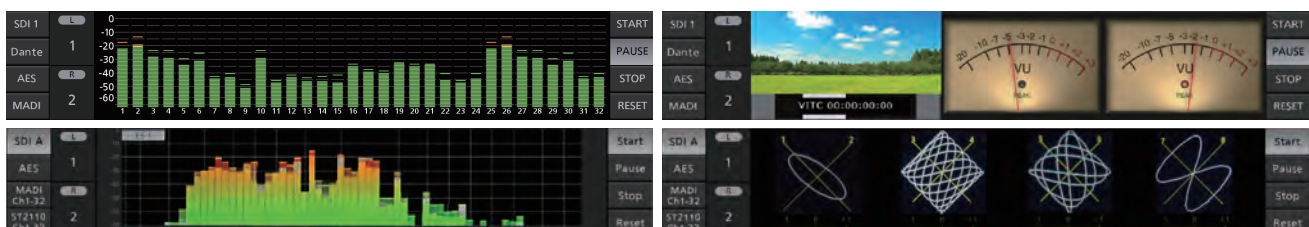
Features

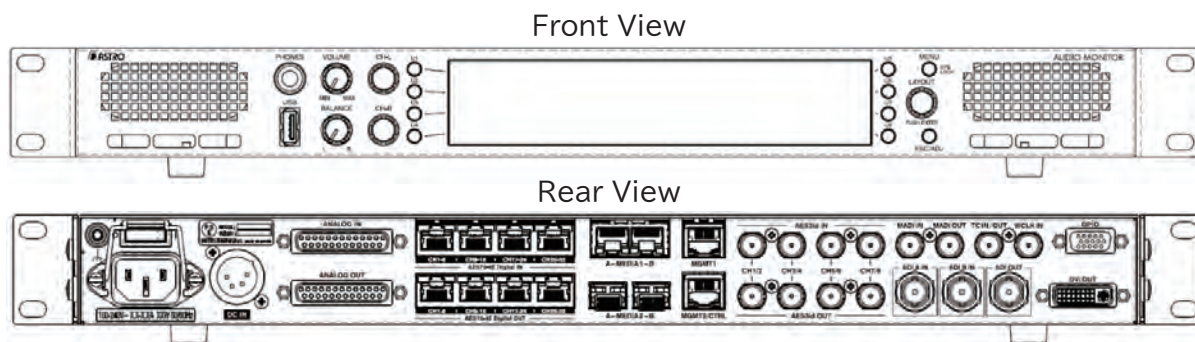
- Alarm output function: detects MUTE and CLIP, with notification via SNMP traps and contact
- Equipped with additional DC power input for redundant power supply (*optional AC/DC converter required)
- Front panel equipped with a standard USB port for saving configuration settings
- Built-in 2-way speakers allow on-site monitoring
- Headphone jack (stereo plug) included on the front panel
- Two IP audio-compatible models available (AM-3849 with ST 2110-30 support, AM-3845 with Dante support)
- Uses ultra-high PSRR audio-dedicated linear regulator power supply chips for low noise
- Incorporates Burr-Brown audio operational amplifiers from Texas Instruments, achieving top-class sound quality

Front View



Measurement Screen





Specifications

SDI	Supported Standards	12G/6G/3G/HD/SD-SDI×2 input 1 output (SDI A IN/SDI B OUT)
	Embedded Audio Format	SMPTE ST 2082、2081、424M、292M、259M、272M compliant
	Embedded Timecode	48kHz 24bit PCM 32ch
		LTC、VITC
AES3id		BNC×4 Input/Output Unbalanced AES、Impedance:75Ω
	Format	48kHz 24bit PCM 8ch
AES/EBU		RJ-45×4 Input/Output (AES72-4E array) Balanced AES、Impedance:110Ω
	Format	48kHz 24bit PCM 32ch
MADI		BNC×1 Input/Output Impedance:75Ω
	Format	48kHz 24bit PCM 64ch
Analog		D-SUB25×1 Input/Output 8ch analog balance, pin layout YAMAHA, TASCAM compatible Input- Nominal level: +4dBu, Max non-clipping level: +24dBu Impedance: 5kΩ or higher, A/D conversion: +24dBu Output- Nominal level: +4dBu, *Fixed at -20dBFS, Max non-clipping level: +24dBu, Impedance: 150Ω, Recommended load: 2kΩ or higher
ST 2110 (AM-3849)	Supported Standards	RJ-45×3 (MEDIA1-A/MEDIA1-B/MGMT1) 1000Base-T Ethernet SMPTE ST 2110-30 Supports Conformance Levels A/B/C SMPTE ST 2022-7 Class B SMPTE ST 2059-2
	Format	48kHz 16bit/24bit PCM 64ch
	Control	AMWA NMOS IS-04 : v1.2,v1.3、IS-05 : v1.0,v1.1
Dante (AM-3845)		RJ-45×2 (MEDIA1-A/MEDIA1-B) 1000Base-T Ethernet Supports AES67 mode
	Format	48kHz 24bit PCM 64ch
DVI		DVI-D×1 Single Link, fixed 1080p60Hz RGB
	Format	48kHz 24bit PCM 8ch
Headphones		Outer diameter 6.3 mm ×1 Max output: 20mW(16Ω)
Speaker		Stereo (2Way 8W (tweeter) + 8W (woofer))
Timecode		BNC ×1 Input/Output switch, Impedance: 10kΩ
WCLK		BNC ×1 input, Sampling frequency: 48kHz, Impedance: 75Ω, Level 0.5Vpp-5Vpp, Permissible frequency deviation ±100ppm
Contact Control		D-Sub15 Female ×1 (GPIO) GPI ×4, GPO ×6 5V Output ×1
System Control		RJ-45×1 (MGMT2/CTRL) 10/100/1000Base-T Ethernet

General Specifications

Power Requirements	AC 100-240V(50/60Hz) / DC 9-16V
Power Consumption	40W MAX
Operating Temperature Range	0 ~ 40°C
Operating Humidity Range	30 ~ 80%RH (Ambient temperature: 0-40°C no condensation)
Dimensions	430(W)×44(H)×205(D)mm (excluding protrusions) EIA 1U
Weight	4kg

※The specifications are subjected to change without notice.

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