

# iAM-AUDIO-2 PLUS

3G-SDI & Analog Audio Monitoring & Metering with Optional Signal Upgrades



**16 channel, dual-screen, 3G-SDI & Analog Audio Monitor with optional 2022-7 support, plus options to license additional input signals.**



The *iAM-AUDIO-2-PLUS* is a well featured and competitively priced IP ready 16 channel audio monitor. It shares many of the same features as our 16 channel *iVAM2-2*, but without video monitoring. The *iAM-AUDIO-2-PLUS* is designed to be easy to operate, providing fast access to meters, menus and presets

## **Flexible. Adaptable. Future Proof.**

Standard features include 3G-SDI and a pair of Analog inputs and outputs. Upgrade/license other signal formats and processing options, as and when needed, either initially or after purchase. Options for additional signals, include **Dante™** or **Ravenna™** (with hitless 2022-7 support), **SMPTE-2110**, **SMPTE-2022-7**, **AES3**, and **MADI**.

## **Network Capable with Remote access options:**

The unit includes built-in support for remote monitoring provided by our MAVRIC software applications suite. All *iAM* Series monitors contain an onboard web server. Multiple units on the same network can be updated, monitored, and controlled via a web-based user interface.

## **Features/Benefits:**

- Audio monitoring (up to 16 channels) from multiple sources.
- **Standard I/O:** 2 x 3G-SDI Inputs on BNC; 1 x 3G-SDI Output on BNC + 1 pair Analog in/out on XLR
- **Optional I/O:** for AES3 on HD-15, (incl selected audio source converted to AES3 out), MADI on BNC (looped out), and SMPTE 2110 or SMPTE 2022 via SFP
- **Option cards:** Choose between AoIP, an additional 8 channels of analog inputs and outputs, 2 additional SFP cages, or a 12G/MAVRIC option card.
- Store and retrieve up to 64 presets
- Optional Output routing enables the flexibility to route input signals to various outputs
- Measure Audio Loudness using ITU-R BS.1770 or EBU R128 standards
- Built-in speakers, headphone jack, USB and Ethernet ports with API's for remote management
- Software upgradeable individually via USB or multiple units on the same network
- Built-in Audio-only remote monitoring probe. Requires MAVRIC subscription.

Specifications	
Dimensions (W x H x D)	2RU in standard 19" rack: 19" x 3.5" x 5.5" (483 mm x 89 mm x 140 mm). Shipping dims: 23"x 8"x 17"
Shipping Weight / Net Weight	10.0 lbs. (4.5 kg) / 8.0 lbs. (3.6 kg)
Power Consumption / Supply	60W, 100 to 240 VAC ± 10%, 50-60 Hz, CE & UL approved
Display Type / Resolution	4.3" (109 mm) LCD Capacitive Touchscreen x 2, 480H x 272V
Viewing Angle	160° (H) x 160° (V)
Audio Channels	16 Max
Hum and Noise	Better than -68 dB below full output
Peak Acoustic Output	104 dB SPL @ 2 feet
Speaker Power Output	15W RMS per side, 30W Peak
Upgrades	Via USB or GUI web interface
APIs	Provide easy integration with 3 <sup>rd</sup> party control systems



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## Rear Panel



## Rear Panel Option Cards

OPT-ANLG/TOS (SKU 829170)



OPT-SFP (SKU 829179)



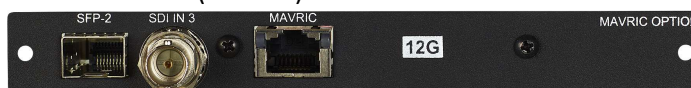
OPT-DANTE/RAVENNA with TOSLINK



OPT-DANTE/RAVENNA with Unbalanced Analog



OPT-RMOC-12G (829189)



## Ordering Information

BASE UNITS		
iAM-AUDIO-2-PLUS	8114-0450	2RU Base unit with up to 16 channels of monitoring. Includes SD/HD/3G-SDI & Analog as standard.
PROCESSING OPTIONS		
OPT-DOLBY	829174	Enables monitoring of Dolby® D, DD+ or E streams. Software activation key.
OPT-OUTPUT ROUTING	829159	Enables the flexibility to route input signals to various outputs
I/O OPTIONS – SOFTWARE ACTIVATION KEY ONLY		
OPT-AES	829080	Enables monitoring of 4 x AES Input Pairs with 4 x AES Output Pairs. Software activation key.
OPT-MADI	829092	Enables monitoring of 1 x MADI64 input via BNC with a looped output. Software activation key.
SMALL FORM FACTOR PLUGGABLE (SFP) OPTIONS WITH SOFTWARE ACTIVATION KEY		
SFP-SDI	829089	3G/HD/SD-SDI single receiver w/ active loopback, HD-BNC Connectors
SFP-SDI-Fiber	829084	12G/3G/HD/SD-SDI or ASI single receiver w/ active loopback, HD-BNC Connectors
SFP-2022-6	829088	SMPTE 2022-6 Receiver; Multi-Mode 850 NM, LC (fiber) Connectors
SFP-2110 w/Ember+ or NMOS	829086-1	SMPTE 2110, Receiver; Multi-Mode 850 NM, LC (fiber) Connector. NMOS ships standard.
SFP-2110 w/Ember+ or NMOS or 2022-6	829087-1	SMPTE 2110 or 2022-6 Receiver; Multi-Mode 850 NM, LC (fiber) Connectors. NMOS ships standard
SFP-MM-MADI-FIBER	829081	MADI optical fiber transceiver, Multimode; LC Connectors
SFP-SM-MADI-FIBER	829082	MADI optical fiber transceiver, Single mode; LC Connectors
OPTION CARDS (1 OPTION CARD ONLY PER UNIT)		
OPT-ANLG/TOS	829170	Enable monitoring of 8 Analog channels on DB-25. Includes Optical TOSLINK input.
OPT-SFP Card	829179	Adds two additional 3G inputs to 3G products, or two 12G inputs to 12G products
OPT-DANTE / OPT-DANTE ANLG	829171 or 829171-1	Enable monitoring from up to 64ch Dante™ input streams, including primary and secondary RJ-45 for hitless/2022-7 support (for Dante and 2110-30 signals) and a Gigabit SFP cage allowing multi-mode and single-mode network SFP's for AoIP signals. <b>Order 829171 for Optical TOSLINK Input or 829171-1 for 2 x unbalance Analog Inputs.</b>
OPT-RAVENNA 64 / OPT-RAVENNA 64 ANLG	829172 or 829172-1	Enable monitoring from up to 64ch Ravenna™ input streams, including primary and secondary RJ-45 for hitless/2022-7 support (for Ravenna and 2110-30 signals) and a Gigabit SFP cage allowing multi-mode and single-mode network SFP's for AoIP signals. <b>Order 829172 for Optical TOSLINK Input or 829172-1 for 2 x unbalance Analog Inputs.</b>
OPT-RMOC-12G	829189(1U) 829190 (2U)	<b>Will enable 12G inputs on any 3G iSeries Monitor!</b> Includes single BNC and SFP slot for 12G/3G SDI or ST2110 input. <b>Also Enables MAVRIC functionality</b> , capable of monitoring 16 channels of audio (iAM & iVAM Series) plus a single video input on the iVAM Series, selectable from a choice of sources connected directly to the card, or inputs connected to the in-rack monitor.

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## Block Diagram

