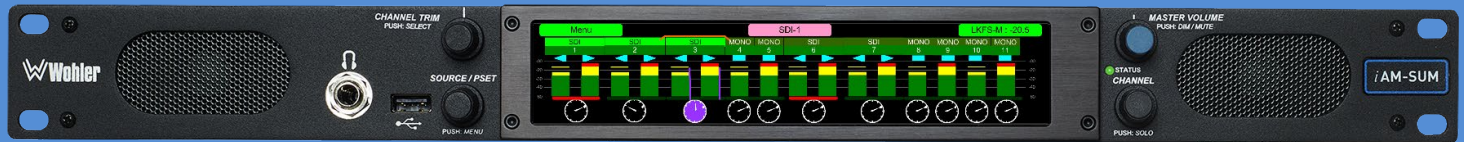


# iAM-SUM Series

AoIP-ready Audio Monitoring & Metering with virtual rotary dials



16 Channel Meters



8 Channel Meters



32 channel Meters



8, 16 or 32 channel, single screen, 3G-SDI & Analog Audio Monitor and Mixer with optional 2022-7 support, plus options to license additional input signals.



The iAM-SUM Series is a set of well featured, easy to use and competitively priced IP ready audio monitors / mixers available in either 8, 16 or 32 channel configurations. The unit has virtual rotary dials to show and adjust trim levels and can be configured to operate in either single channel or pair mode.

## 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:

- Fast selection and summing of up to 8, 16 or 32 audio channels, allowing quick muting and hold-for-solo
- Virtual rotary dials showing trim levels.
- Master volume control that also provides a master mute/unmute
- Channel names can be displayed for each input or pulled from a router
- **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

## Specifications

|                              |   |
|------------------------------|---|
| Dimensions (W x H x D)       | 1RU in standard 19" rack: 19" x 1.75" x 5.5" (483 mm x 45 mm x 140 mm). Shipping dims: 23" x 6" x 12" |
| Shipping Weight / Net Weight | 8.0 lbs. (3.6 kg) / 5.5 lbs. (2.5 kg)   |
| Power Consumption / Supply   | 65W, 100 to 240 VAC ± 10%, 50-60 Hz, CE & UL approved   |
| Display Type / Resolution    | 7" (178 mm) LCD Capacitive Touchscreen; 1242H x 280V  |
| Viewing Angle                | 160° (H) x 160° (V)   |
| Audio Channels               | 8, 16 or 32   |
| Hum and Noise                | Better than -68 dB below full output  |
| Peak Acoustic Output         | 90 dB SPL @ 2 feet  |
| Speaker Power Output         | 5W RMS per side, 12W Peak   |
| Upgrades                     | Via USB or GUI web interface  |
| APIs                         | Provide easy integration with 3 <sup>rd</sup> party control systems                                   |



email: [sales@wohler.com](mailto:sales@wohler.com)

web: [www.wohler.com](http://www.wohler.com)

# iAM1-SUM Series

AoIP-ready Audio Monitoring & Metering with virtual rotary dials



## Rear Panel



## Rear Panel Option Cards

OPT-ANLG/TOS (SKU 829170)



OPT-SFP (SKU 829179)



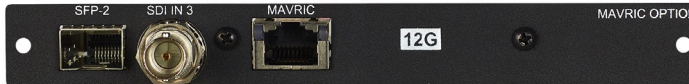
OPT-DANTE/RAVENNA with TOSLINK



OPT-DANTE/RAVENNA with Unbalanced Analog



OPT-RMOC-12G (829189)



## Ordering Information

| BASE UNITS   |                           |   |
|--|---------------------------|---|
| iAM-SUM8   | 8121-0350                 | 1RU 8 channels of audio monitoring & 8 meters. Includes SDI & Analog as standard  |
| iAM-SUM16  | 8121-0351                 | 1RU 16 channels of audio monitoring & 8 meters. Includes SDI & Analog as standard   |
| iAM-SUM32  | 8121-0352                 | 1RU 32 channels of audio monitoring & 8 meters. Includes SDI & Analog as standard   |
| PROCESSING OPTIONS   |                           |   |
| 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                    | SMPT 2022-6 Receiver; Multi-Mode 850 NM, LC (fiber) Connectors  |
| SFP-2110 w/Ember+ or NMOS  | 829086-1                  | SMPT 2110, Receiver; Multi-Mode 850 NM, LC (fiber) Connector. NMOS ships standard.  |
| SFP-2110 w/Ember+ or NMOS or 2022-6                                    | 829087-1                  | SMPT 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)<br>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. |

# iAM1-SUM Series

AoIP-ready Audio Monitoring & Metering with virtual rotary dials



## Block Diagram

