iAM AUDIO-1
Multi-Channel Audio Monitoring & Metering of IP and Baseband Signals

Intuitive monitoring and metering of up to 16 channels of audio from multiple sources, touch screen controls, 64 presets, browser-based user interface, and APIs for remote management.

WOHLER

Flexible, Adaptable, Future Proof
iAM-AUDIO is designed to be easy to operate, yet powerful enough to provide high quality, intuitive monitoring of multiple signal types within a compact form factor. Signal options include the latest IP formats: SMPTE 2110, SMPTE 2022, Ravenna™/AES67 and Dante™. High-quality touch screen panels allow for elegant and intuitive control, with simple to navigate menus. Physical front panel controls provide access to main volume, balance, and auxiliary controls to supplement touch controls, and a front mounted USB port for software updates to support new and emerging technologies -- the perfect solution for any application that requires a compact unit for monitoring an evolving range of professional signals.

All iAM Series monitors contain an onboard web server. Multiple units on the same network can be updated, monitored and controlled via a browser-based user interface that supports fast configuration with role-based authentication that protects critical configurations from unauthorized alteration.

Features & Benefits
• Touch screen front panel for easy, intuitive control
• Monitor up to 16 channels of audio from multiple sources
• Built-in speakers, headphone jack, USB and Ethernet ports
• A range of included and optional connectors and signal processing options, including SFP slots for future I/O and Ethernet inputs for IP-based I/O
• Store and retrieve up to 64 presets via USB or remote software control
• Software upgradeable via USB or network, upgrade multiple units at once
• APIs included for remote control

Model | Part ID | Description
--- | --- | ---
iAM-AUDIO-1 | 8114-0200 | Base Unit 1RU Base unit, includes Analog as standard
iAM-AUDIO-2 | 8114-0250 | Base Unit 2RU Base unit, includes Analog as standard
SFP-2110 w/Ember+ | 829086 | I/O Option Receiver; Multi-Mode 850 NM, LC Connectors
SFP-2110 w/NMOS | 829086-1 | I/O Option Receiver; Multi-Mode 850 NM, LC Connectors
SFP-2022 | 829088 | I/O Option Receiver; LC Connectors
SFP-2110 w/Ember+ +2022-6 | 829087 | I/O Option Either-Or; Multi-Mode 850 NM, LC Connectors
SFP-2110 w/NMOS+2022-6 | 829087-1 | I/O Option Either-Or; Multi-Mode 850 NM, LC Connectors
SFP-SDI | 829089 | I/O Option 3G/HD-SDI single video receiver w/ active loopback, HD-BNC
SFP-SDI-Fiber | 829084 | I/O Option 3G/HD-SDI or ASI single receiver w/ active loopback, HD-BNC
OPT-AES | 829080 | I/O Option Enables decoding and monitoring of 4 x AES inputs, 1 AES Output
OPT-MADI | 829092 | I/O Option Enables decoding and monitoring of 1 x MADI64 input via BNC
SFP-MM-MADI-FIBER | 829081 | I/O Option MADI fiber transceiver, Multimode; LC Connectors
SFP-SM-MADI-FIBER | 829082 | I/O Option MADI fiber transceiver, Single mode; LC Connectors
OPT-DANTE | 829078 | Processing Option Enables decoding and monitoring of Dante™ input streams
OPT-RAVENNA 256 | 829079 | Processing Option Enable monitoring of up to 256 ch Ravenna™/AES67 Input. NMOS support
OPT-RAVENNA 64 | 829173 | Processing Option Enable monitoring of up to 64 ch Ravenna™/AES67 Input. NMOS support
OPT-DOLBY | 829077 | Processing Option Allows decoding and monitoring of Dolby® D, DD+ & E streams

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Rear Panel

Block Diagram

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>iAM-AUDIO-1</th>
<th>iAM-AUDIO-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>1RU</td>
<td>2RU</td>
</tr>
<tr>
<td>Dimensions</td>
<td>19”x1.75”x7.5” (483 x 45 x 191 mm)</td>
<td>19”x3.5”x7.5” (483 x 89 x 191 mm)</td>
</tr>
<tr>
<td>Shipping / Net Weight</td>
<td>6.5 lbs [2.9 kg] / 4.5 lbs [2.0 kg]</td>
<td>8.5 lbs [3.9 kg] / 6.5 lbs [2.9 kg]</td>
</tr>
<tr>
<td>Display Type</td>
<td>2.4” LCD Capacitive Touchscreen x 3</td>
<td>4.3” LCD Capacitive Touchscreen x 2</td>
</tr>
<tr>
<td>Audio Channels</td>
<td>16 Max</td>
<td>16 Max</td>
</tr>
<tr>
<td>Hum and Noise</td>
<td>Better than -68 dB below full output</td>
<td>Better than -75 dB below full output</td>
</tr>
<tr>
<td>Peak Acoustic Output</td>
<td>98 dB SPL @ 2 ft</td>
<td>104 dB SPL @ 2 ft</td>
</tr>
<tr>
<td>Speaker Power Output</td>
<td>RMS Each Side: 12W Continuous / 24W Peak</td>
<td>RMS Each Side: 15W Continuous / 30W Peak</td>
</tr>
<tr>
<td>Upgrades</td>
<td>Via USB or GUI web interface; Upgrading multiple units available via web interface</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>External: 18 VDC from 100 - 240 VAC ± 10%, 50/60 Hz, CE &amp; UL approved</td>
<td></td>
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<tr>
<td>Available APIs</td>
<td>Get Available Presets; Get Preset Information; Get Active Preset; Apply Preset; Set Mute/Unmute Clusters; Set Solo Cluster; Set Solo Channel; Source Select</td>
<td></td>
</tr>
</tbody>
</table>

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