*i*AM1-12G

12G-SDI & Analog Audio Monitoring & Metering with Optional Signal Upgrades

16 channel, triple screen, 12G-SDI & Analog Audio Monitor with optional 2022-7 support, plus options to license additional input signals.

The new *i*AM1-12G is a well featured, easy to use, competitively priced 16 channel IP ready audio monitor which comes standard with 12G-SDI and Analog inputs, loudness monitoring and phase status. Developed as a direct result of customer feedback, it shares many of the same features as our iAM-AUDIO-1 PLUS. License other signal formats and processing options, including Dolby, AoIP, Toslink and 8 channel Analog, as and when needed, either initially or after purchase.

Flexible. Adaptable. Future Proof.

*i*AM1-12G is designed to be easy to operate, providing fast access to meters, menus and presets. Options for additional signals, including **AES3, MADI64, Dante™, Ravenna™, SMPTE-2110 and SMPTE-2022-7**.

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:

- Audio monitoring (up to 16 channels) from multiple sources
- Up to 64 presets
- 2 x 12G-SDI Inputs on BNC; 1 x 12G-SDI Output on BNC + 1 pair Analog in/out on XLR
- Optional Output routing enables the flexibility to route input signals to various outputs
- 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
- Measure Audio Loudness using ITU-R BS.1770 or EBU R128 standards
- Phase status
- Phase status + Measure Audio Loudness using ITU-R BS.1770 or EBU R128 standards
- Software upgradeable via USB or network
- APIs for remote management

Model	Part ID	Description
*i*AM1-12G (Base Unit)	8114-0600	1RU Base unit, includes SDI & Analog as standard
I/O Options		
OPT-AES	829080	Enables decoding and monitoring of 4 x AES inputs, 1 AES Output
OPT-MADI	829092	Enables decoding and monitoring of 1 x MADI64 input via BNC
OPT-DOLBY (iVAM/iAM AUDIO-3G/12G)	829174	Allows decoding and monitoring of Dolby® D, DD+ & E. Includes Dolby zoom & metadata
SFP-MM or SM-MADI-FIBER	829081/822	MADI fiber transceiver, Multimode or Singlemode; LC Connectors. Use 829082 for SM
SFP-SDI	829089	3G/HD/SD-SDI single video receiver w/ active loopback, HD-BNC
SFP-SDI-Fiber	829084	12G/3G/HD/SD-SDI or ASI single receiver w/ active loopback, HD-BNC
SFP-2110 w/Ember+ or NMOS	829086/-1	Receiver; Multi-Mode 850 NM, LC Connectors. Use 829086-1 for NMOS variant
SFP-2022	829088	Receiver; LC Connectors
SFP-2110 w/Ember+ or NMOS +2022-6	829087/-1	Either-Or; Multi-Mode 850 NM, LC Connectors. Use 829087-1 for NMOS variant
OPT-OUTPUT ROUTING	829159	Enables the flexibility to route input signals to various outputs
Option Cards		
OPT-ANLG/TOS (iVAM &iAM-AUDIO)	829170	Enable monitoring of 8 Analog channels on DB-25. TOSLINK included.
OPT-SFP Card (iVAM)	829179	Adds two additional 3G inputs to 3G products, or two 12G inputs to 12G products
OPT-DANTE OPT-Ravenna	829171 829172	This AoIP option card enables decoding and monitoring of up to 64 ch of Dante™ OR up to 64 Ch Ravenna™ / AES67/ 2110-30 Input streams (with NMOS Support). These option cards provide 2 x RJ-45 ports for 2022-7 support (for Dante, Ravenna, AES67 and 2110-30) + SFP cage allowing MM and SM SFP's as an alternate primary for AoIP Signals. TOSLINK included in both cards.

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W Wohler

12-SDI & Analog Audio Monitoring & Metering with Optional Signal Upgrades

Rear Panel & Option Cards

OPT-DANTE & OPT- RAVENNA   OPT- ANLG/TOS   OPT-SFP CARD

* Only 1 x OPT -DANTE/RAVENNA, 1 x OPT-iVAM-ANALOG or 1 x OPT-SFP CARD may be fitted at one time.

Block Diagram

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	2.4" (60 mm) LCD Capacitive Touchscreen; 320H x 240V
Viewing Angle	160 (H) x 160 (V)
Audio Channels	16 Max
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 3rd party control systems