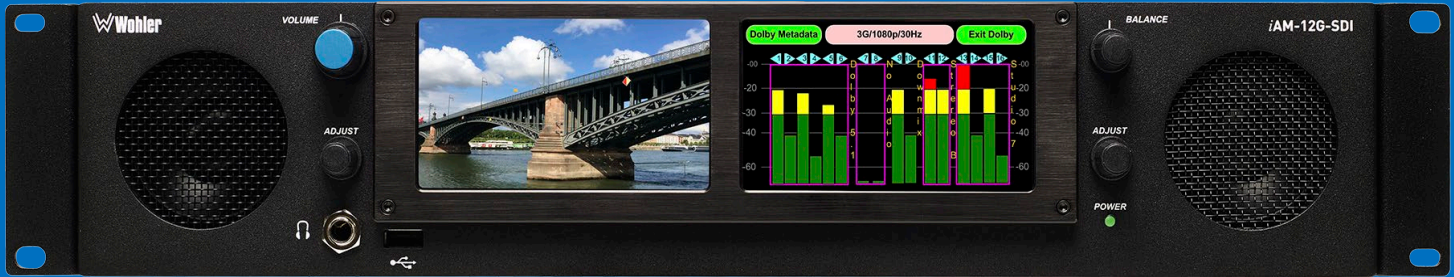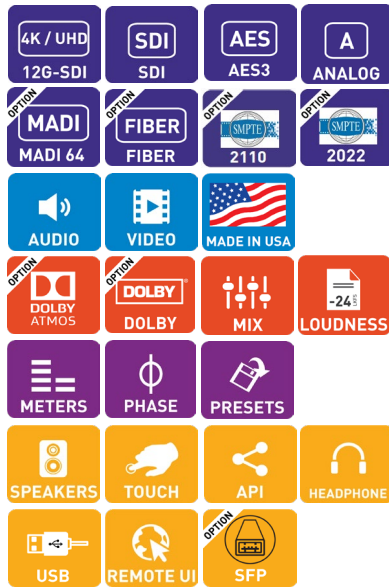# *i*AM-12G-SDI available with ◻DOLBY ATMOS

Wohler

Multi-Channel Audio and 12G/4K Video Monitoring & Metering of IP and Baseband Signals

State of the art 12G video and audio monitor with touch screen controls, and APIs for remote management.

4K / UHD 12G-SDI	SDI SDI	AES AES3	A ANALOG
OPTION MADI MADI 64	OPTION FIBER FIBER	OPTION SMPTE 2110	OPTION SMPTE 2022
AUDIO	VIDEO	MADE IN USA	
OPTION DOLBY ATMOS	OPTION DOLBY DOLBY	MIX	-24 LOUDNESS
METERS	PHASE	PRESETS	
SPEAKERS	TOUCH	API	HEADPHONE
USB	REMOTE UI	OPTION SFP	

Wohler Technologies is extending its ground breaking iAM Series of products with the multi-channel audio and 12G video monitor that accepts 2 x 12G/3G/HD/SD-SDI signals over BNC. 4 SFP cages allow for a variety of additional monitoring options, including 2110, 2022-6, as well as additional SDI inputs in a variety of combinations listed in the table below. Our Dolby® ATMOS option allows decoding of Dolby Atmos content, along with the familiar Dolby D, D+, E and ED2 content., a

Flexible Adaptable Future Proof
iAM-12G-SDI is designed to be easy to operate, yet powerful enough to provide high quality, accessible and easy to use monitoring of the newest signals (12G, 2110, 2022-6) within a compact form factor. Touch screen & front panel controls duplicate previous mature design philosophies of shipping iAM units.

With both front mounting speakers and sub-woofers, the iAM-12G-SDI provides the powerful sound output and audio reproduction that Wohler is well known for.

A front mounting USB port is available for simple software updates. Multiple units on the same network can be updated, monitored and controlled via a browser-based user interface that supports fast configuration with authentication that protects critical configurations from unauthorized alteration.

Features/Benefits
- 2 x 12G (4K) SDI inputs that also monitor 3G/HD/SD-SDI signals as well
- 4 x SFP cages allowing a range of optional connectors and signal processing options, fully listed in the table below
- Optional Dolby® Atmos that also decodes Dolby D, D+ E and ED2 streams for playback, metering and metadata
- Options for Madi, Dante & Ravenna
- Touch screen front panel for easy, intuitive control
- Measure Audio Loudness using ITU-R BS. 1770 or EBU R128 standards - included
- Video monitoring and audio monitoring of up to 16 channels of audio from multiple sources
- Built-in speakers, headphone jack, USB and Ethernet ports
- Store and retrieve presets via USB or remote software control
- Software upgradeable via USB or network, upgrade multiple units at once
- APIs for remote control

Model	Part ID	Description
iAM-12G-SDI (base unit)	8114-0351	2 RU Audio/Video monitoring and metering. 2 x SDI on BNC. 4 pairs of AES inputs on HD-15 and 16 channels of analog on two DB-25s included.
Options		
OPT-DOLBY D DD+ E	829167	Enable monitoring of Dolby® D, DD+, and E streams.
OPT-DOLBY ATMOS	829163	Enable monitoring of Dolby® Atmos, as well as Dolby D, DD+, E and ED2 streams.
OPT-MADI/ANLG/TOS	829168	Enable monitoring of 8 Analog channels on DB-25, monitoring of 1 x MADI64 I/P via BNC. Inc. TOSLINK
OPT-DANTE (12G)	829164	Enable monitoring from up to a 64ch Dante™ Input. Includes OPT-MADI/ANLG/TOS
OPT-RAVENNA 64 (12G)	829165	Enable monitoring from up to a 64ch Ravenna™/AES67 Input. Includes OPT-MADI/ANLG/TOS + NMOS support
SFP's		
SFP-Madi-MM-Fiber	829081	MADI optical fiber receiver; Multi-Mode, LC (fiber) Connectors.
SFP-Madi-SM-Fiber	829082	MADI optical fiber receiver; Single-Mode, LC (fiber) Connectors.
SFP-12G-SDI FIBER	829160	12G, 3G/HD/SD-SDI single mode Optical LC (fiber) video receiver
SFP-SDI	829089	3G/HD/SD-SDI single video receiver w/active loopback, HD-BNC
SFP-SDI-OUTPUT	829083	3G-SDI Transceiver; HD-BNC connectors; I/P and O/P are both SDI
SFP-HDMI-OUTPUT	829155	HDMI/DVI O/P, HDMI 2.0 Type D conn. Video O/P is set at 1080p60 from selected video source.
SFP-2110 w/Ember+	829086	SMPTE 2110 receiver; Multi-Mode 850 NM, LC (fiber) Connectors. SMTPE
SFP-2110 w/NMOS	829086-1	SMPTE 2110 receiver; Multi-Mode 850 NM, LC (fiber) Connectors. SMTPE
SFP-2022	829088	SMPTE 2022 receiver, LC (fiber) Connectors.
SFP-2110 w/Ember+ +2022-6	829087	SMPTE 2110 or 2022-6 receiver; Multi-Mode 850 NM, LC (fiber) connectors.
SFP-2110+2022-6 w/NMOS	829087-1	SMPTE 2110 or 2022-6 receiver; Multi-Mode 850 NM, LC (fiber) connectors.

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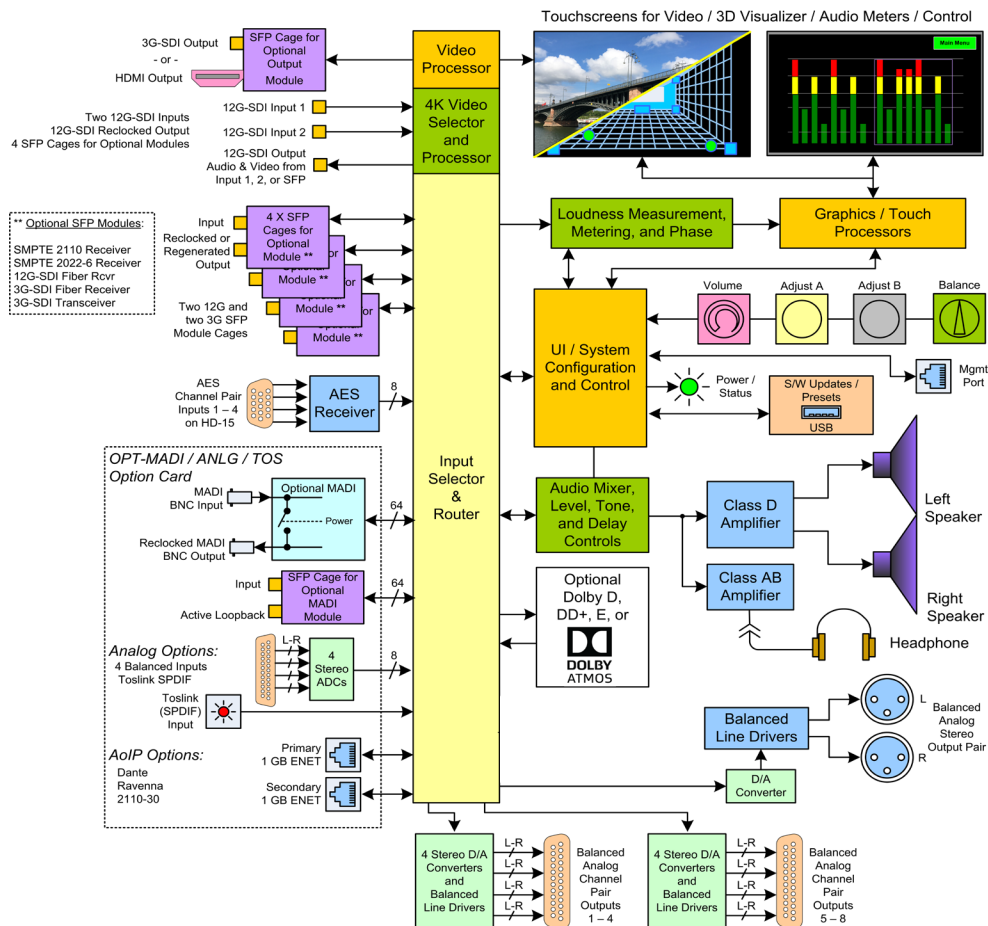sales@wohler.com   www.wohler.com

*i*AM-12G-SDI

Multi-Channel Audio and 12G/4K Video Monitoring & Metering of IP and Baseband Signals

Rear Panel Shown below with OPT-MADI/ANLG/TOS. When adding Dante or Ravenna, this option is included.

Block Diagram

Specifications	iAM-12G-SDI
Dimensions (W x H x D)	2RU in standard 19" rack: 19" x 3.5" x 9.5" (483 mm x 89 mm x 242 mm)
Shipping & Net weight/dims	Shipping: 16.0 lbs. (7.3 kg) – 24" x 17" x 8" Net: 11.0 lbs. (5.00 kg) 19"x 9.5" x 3.5"
Power Consumption / Supply	40 Watts typical, 18VDC 100 to 240 VAC ± 10%, 50/60 Hz, CD & UL approved
Display Type / Resolution	4.3" (109 mm) LCD Capacitive Touchscreen x 2; 480H x 272V
Audio Channels	16 Max
Hum and Noise	Better than -75 dB below full output
Peak Acoustic Output	104 dB SPL @ 2 feet
Speaker Power Output	RMS Each Side: 15W Continuous / 30W Peak
Upgrades	Via USB or GUI web interface; Upgrading multiple units available via web interface
Presets	Programmable/nameable. Can be copied from unit to unit via USB or GUI software / Ethernet
Available APIs	Get Available Presets; Get Preset Information; Get Active Preset; Set Mute/Unmute Clusters; Set Solo Cluster; Set Solo Channel; Source Select