

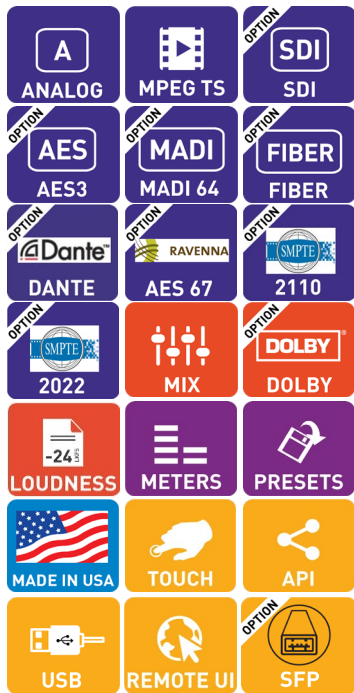
iAM VIDEO-2 Includes MPEG-2&H.264 / MPEG-4 AVC in TS over IP



Multi-Channel Audio and Video Monitoring & Metering of IP and Baseband Signals



Intuitive monitoring and metering of video and audio from multiple sources, with touch screen controls, and APIs for remote management.



Wohler Technologies invented in-rack monitoring over 30 years ago. We are now RE-INVENTING this broadcast technology for the modern media enterprise to handle IP MONITORING.

Flexible. Adaptable. Future Proof.

iAM-VIDEO 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. It is equipped with high quality video and metering of a variety of input options including 3G/HD/SD-SDI, Analog, AES, MADI and MPEG2TS, with further options for IP formats including SMPTE 2022 and SMPTE 2110 Ravenna™/AES67 and Dante™, and a growing range of additional I/O via an SFP interface.

High quality touch screen panels allow for elegant and intuitive control, with simple to navigate menus and configuration. Physical front panel controls provide access to main and auxiliary volume controls, balance control and a front mounting USB port for simple software updates. With both front mounting speakers and sub-woofers, the iAM-VIDEO provides powerful sound output and audio reproduction that adheres to Wohler's own strict specifications.

All iAM Series monitors are built with an on-board 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 authentication that protects critical configurations from unauthorized alteration.

Features/Benefits:

- Touch screen front panel for easy, intuitive control
- Video monitoring and audio monitoring of 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 MPEG 2/4, SMPTE 2110, SMPTE 2022-6, and SFP & Ethernet inputs for IP based I/O
- Measure Audio Loudness using ITU-R BS.1770 or EBU R128 standards
- 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-VIDEO-2	8114-0350	Base Unit	2 RU Audio/Video monitoring and metering. OPT-ANLG & OPT-MPEG included.
SFP-2110 w/Ember+	829086	I/O Option	SMPTE 2110 receiver; Multi-Mode 850 NM, LC Connectors. SMPTE
SFP-2110 w/NMOS	829086-1	I/O Option	SMPTE 2110 receiver; Multi-Mode 850 NM, LC Connectors. SMPTE
SFP-2022	829088	I/O Option	SMPTE 2022 receiver, LC Connectors.
SFP-2110 w/Ember+ +2022-6	829087	I/O Option	SMPTE 2110 or 2022-6 receiver; Multi-Mode 850 NM, LC Conns.
SFP-2110 w/NMOS +2022-6	829087-1	I/O Option	SMPTE 2110 or 2022-6 receiver; Multi-Mode 850 NM, LC Conns.
SFP-SDI	829089	I/O Option	3G/HD/SD-SDI single video receiver w/active loopback, HD-BNC
SFP-SDI-DUAL	829154	I/O Option	3G/HD/SD-SDI dual receiver; HD-BNC Connectors
SFP-SDI-FIBER	829084	I/O Option	3G/HD/SD-SDI or ASI single receiver w/active loopback, HD-BNC
SFP-SDI-OUTPUT	829083	I/O Option	3G-SDI Transceiver; HD-BNC connectors; I/P and O/P are both SDI
SFP-HDMI-OUTPUT	829155	I/O Option	HDMI/DVI Output SFP with 1080p60 video with 2 channels of audio
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; Singlemode, LC Connectors
OPT-MADI	829092	I/O Option	Enables decoding and monitoring of 1 x MADI64 input via BNC
OPT-AES	829080	I/O Option	Enables decoding and monitoring of 4 x AES inputs. 1 AES output
OPT-DOLBY	829077	Processing Option	Allows decoding and monitoring of Dolby® D, DD+, & E streams.
OPT-DANTE	829078	Processing Option	Enables decoding and monitoring of Dante™ Input streams.
OPT-RAVENNA 256	829079	Processing Option	Enables monitoring of up to 256 ch Ravenna™ / AES67 Input. NMOS support
OPT-RAVENNA 64	829173	Processing Option	Enables monitoring of up to 64 ch Ravenna™ / AES67 Input. NMOS support
OPT-MPEG (inc. with base unit)	829094	Processing Option	Enables monitoring of MPEG-2 & H.264 / MPEG-4 AVC in TS over IP



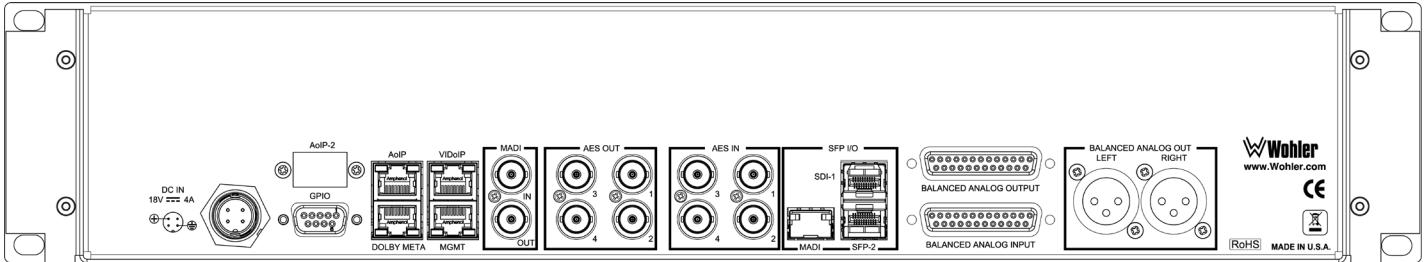
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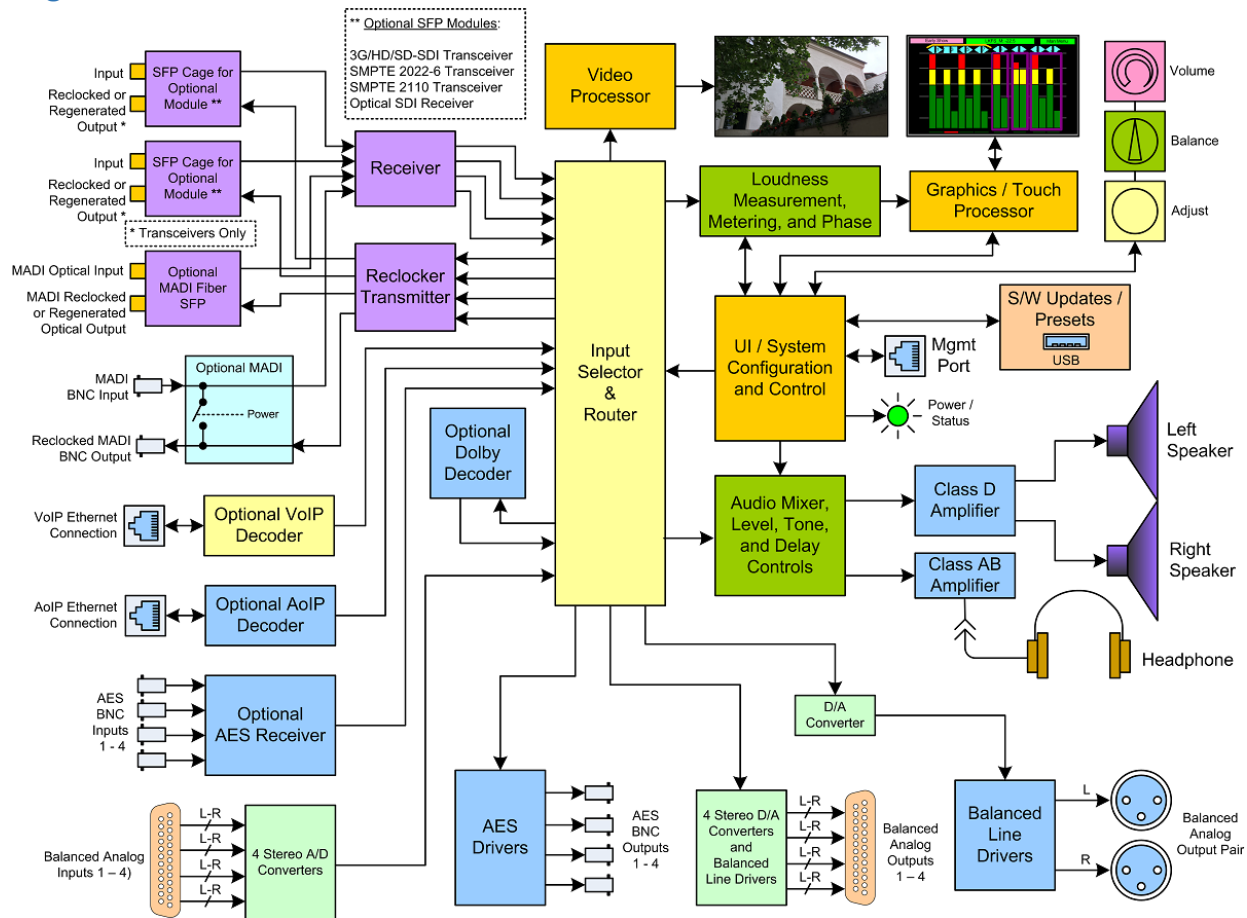


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Rear Panel



Block Diagram



iAM-VIDEO-2	
Dimensions (W x H x D)	2RU in standard 19" rack: 19" x 3.5" x 9.5" (483 mm x 89 mm x 241 mm)
Shipping Weight / Net Weight	15.5 lbs. (7.0 kg) / 11.5 lbs. (5.2 kg)
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



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