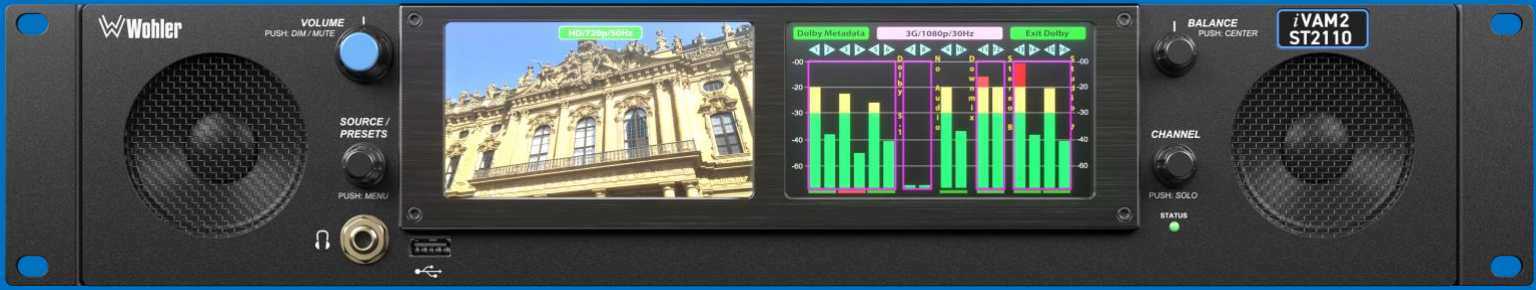


iVAM2-ST2110



Hitless ST2110 single/multimode Multi-Channel Audio/Video monitor with OOB NMOS Control



State of the art hitless single and multimode ST2110 video and audio monitor with OOB NMOS control, 12G SDI IN, touch screen controls, and APIs for remote management.

Wohler Technologies is upgrading its IP Ready iVAM Series of products with a new ST2110 Video and multi-channel audio monitor. The unit accepts single mode as well as multimode SFP's for ST2110 over a pair of 10G SFP slots and provides the ability to apply in-band NMOS (via SFP's) and Out Of Band NMOS control via a separate network interface. It includes 1x 12G SDI IN & 1x 3G SDI OUT and options to add GPIO and a choice of **Dante™** or **Ravenna™**.

Flexible Adaptable Future Proof

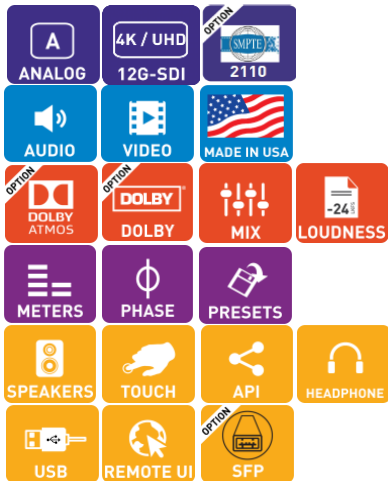
iVAM2-ST2110 is designed to be easy to operate, yet powerful enough to provide high quality, accessible and easy to use monitoring of hitless ST 2110 and 12G SDI within a compact form factor. In-band as well as Out Of Band NMOS controls to manage stream connections is provided via separate IP interface. Touch screen & front panel controls duplicate previous mature design philosophies of existing iVAM units. At 2U, with upgraded speakers, the iVAM2-ST2110 also provides the powerful sound output and audio reproduction that Wohler is well known for.

Network Capable with Remote access options:

A front-mounting USB port is available for simple software updates. 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

- Hitless ST2110 video and audio monitoring along with 12G-SDI
- In-band NMOS via SFP's and Out Of Band NMOS via separately provided network interface.
- **Standard I/O:** 2 x 10G SFP inputs to monitor hitless ST2110, 12G SDI IN, 3G-SDI Out, 16x Analog Out
- **Optional I/O:** GPIO
- **Option Card:** To enable Analog + **Dante™** or **Ravenna™**.
- 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 with APIs for remote management
- Store and retrieve presets via USB or remote web interface
- Software upgradeable via USB or network, upgrade multiple units at once
- **MAVRIC Ready.** Built-in support for 8 x Audio + 1 x Video remote monitoring via the MAVRIC remote monitoring platform.



Specifications	iVAM2-ST2110
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 Web GUI; 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



iVAM2-ST2110



Multi-Channel Audio and Video Monitoring & Metering of Hitless ST2110

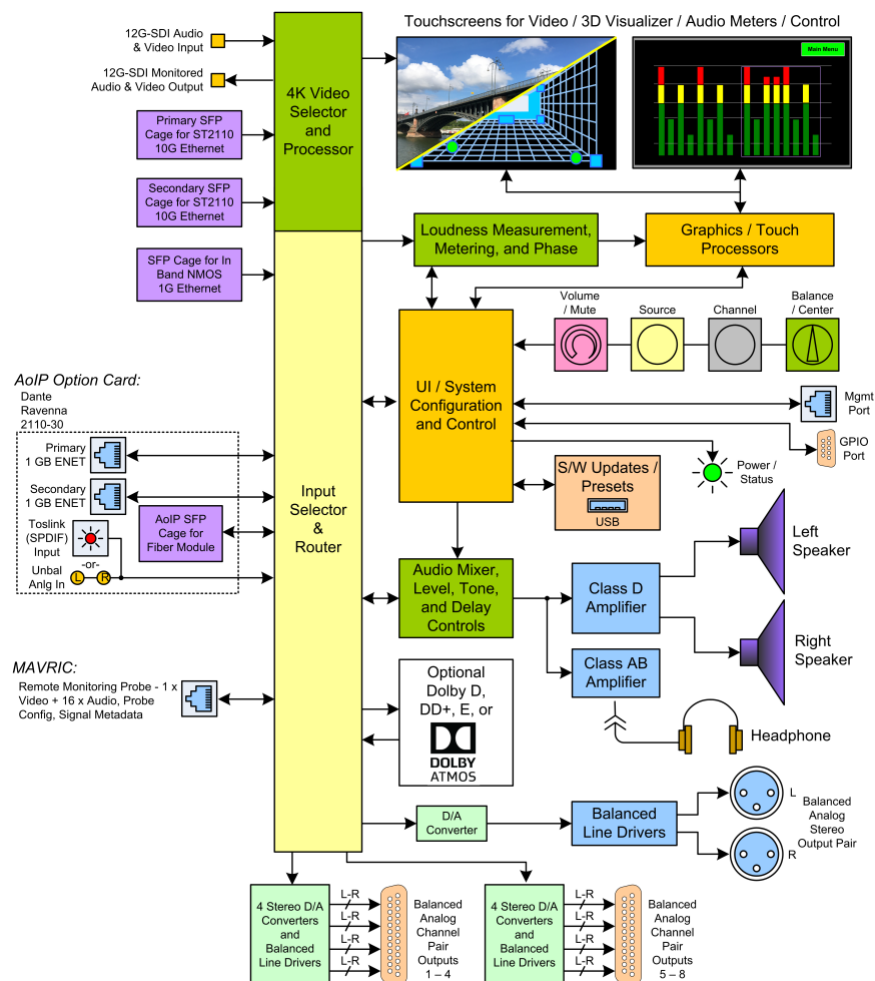
Ordering Information

iVAM2-ST2110 (Base Unit)	8114-0360	2RU ST2110 Audio/Video monitoring and metering, OOB NMOS, 1 x 12G SDI IN/OUT, 16 analog outputs & downmixed analog outputs on XLRs. OPT-OUTPUT ROUTING is included. Capable of monitoring hitless single mode and multimode ST2110.
Options		
OPT-GPIO	829198	Enables 4 GPI and 2 GPO's. Software activation key.
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
OPT-DOLBY	829174	Enable monitoring of Dolby® D, DD+ or E streams. Software activation key.
OPT-DOLBY ATMOS	829163	Enable monitoring of Dolby Atmos, D, DD+, E & ED2 streams via software activation key.

Rear Panel Shown below with AoIP option card, that includes Dante or Ravenna + Analog input



Block Diagram



Specifications subject to change, errors and omissions excepted
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