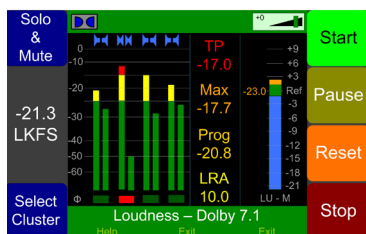# AMP2-16V

16-Channel Audio/Video Processing Monitor

AMP2-16V SERIES

Modular 16-channel audio/video workstation with a complete suite of tools for analyzing and managing audio quality, level and loudness, metadata, and more

New! Loudness Monitoring Enhancements Released

« Loudness (LKFS or LUFS) within window, Maximum True Peak, Maximum Loudness Program Loudness, and LRA

« Compatible with all worldwide Loudness standards

« Color-Coded Alarm Indications

« Start, Pause, Reset, and Stop controls for manual monitoring

« Pause and Reset control for continuous monitoring

« Enable/Disable Alarms with adjustable tolerance

The leading choice of broadcasters worldwide, Wohler's re-imagined AMP2-16V could be the last audio monitor you will ever need. The open architecture design, superb quality, upgradeability and ease-of-use is why broadcasters consistently choose the AMP2-16V for their most demanding applications.

Since we invented the in-rack audio monitor, we have not stopped improving it—and the world's best selling and most powerful monitor now offers an even broader set of critical audio management tools. Monitor and analyze all of your audio and video feeds from one compact, convenient and easy to use workstation. It's the best we've ever designed and built.

Features/Benefits

• Monitor, mix, and route embedded AVB, SDI, AES, analog , and TOSLINk audio sources
• 16-channels of simultaneous, multi-format audio monitoring, metering and management
• Upgradable architecture gives you not only what you need now, but also what you need later add additional module cards/features as requirements change
• New AVB input card. Mix, level adjust and monitor two 8-channel AVB streams. AVB channels can be re-embedded into an SDI stream, AES, and analog outputs
• Dual high resolution LCD screens with auto-detecting 3G/HD/SD-SDI video
• Display application specific audio, video, or metadata information on either screen
• Loudness monitoring with alarms
• Fully customizable level meters including scale, color, range, thresholds and more
• 32 presets allow complete reconfiguration of the entire unit with one button press
• 16 Hot Keys enable one touch access to solos, mutes, channel trims, presets, or Dolby Zooms at the touch of a single button
• "SuperPair" feature offers additional channel pair (17, 18) monitor two intercom or auxilary device channels
• Menu lockout function prevents unwanted system changes
• Save and copy system presets to other units via Ethernet or Serial connection to PC
• Redundant power supplies for secure transmission chain operation (optional)
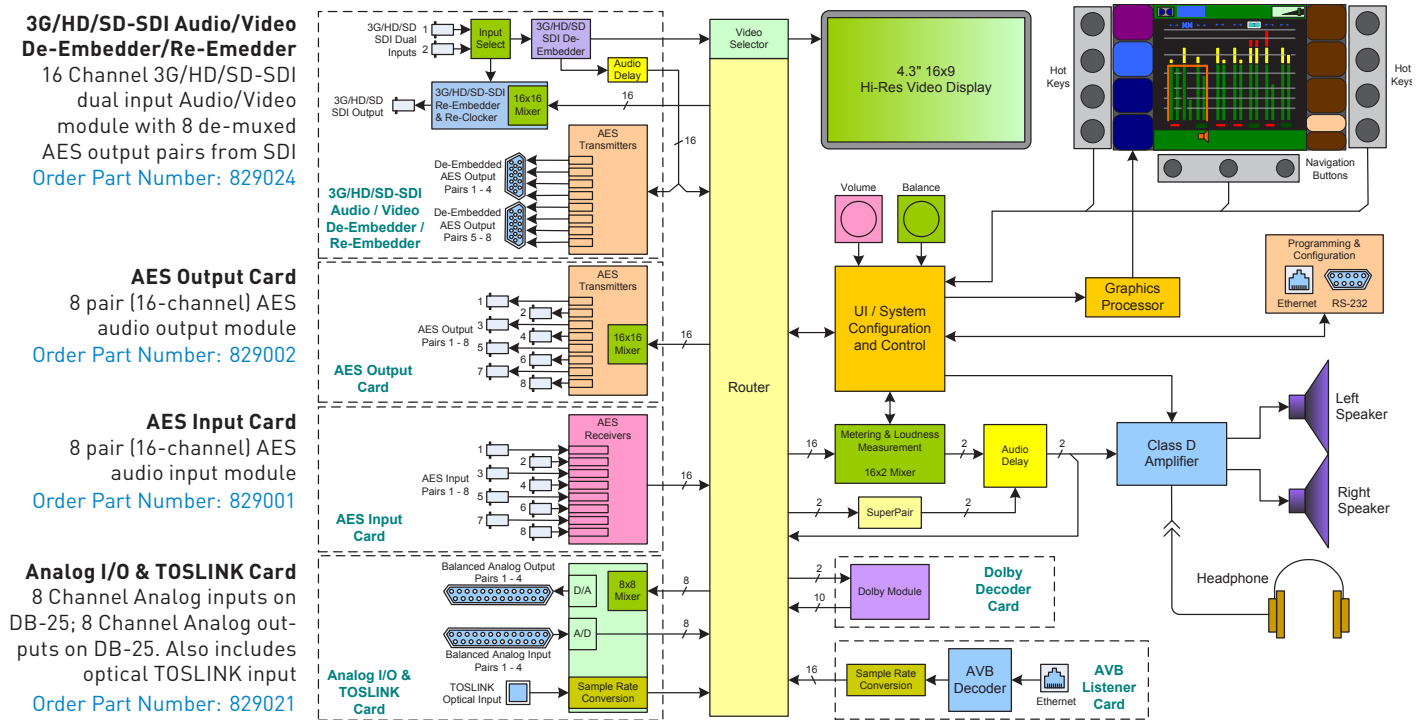

Order Part Numbers
AMP2-16V-M: 8130-0200 (16-Channel dual input, 3G/HD/SD-SDI, audio/video monitor)
AMP2-E16V-M: 8130-0300 (16-Channel dual input, 3G/HD/SD-SDI, audio/video monitor, Dolby D & E,)

■ BASEBAND   ■ STREAM   ■ FILE

sales@wohler.com   www.wohler.com

AMP2-16V
16-Channel Audio/Video Processing Monitor

Block Diagram

3G/HD/SD-SDI Audio/Video De-Embedder/Re-Emedder
16 Channel 3G/HD/SD-SDI dual input Audio/Video module with 8 de-muxed AES output pairs from SDI
Order Part Number: 829024

AES Output Card
8 pair (16-channel) AES audio output module
Order Part Number: 829002

AES Input Card
8 pair (16-channel) AES audio input module
Order Part Number: 829001

Analog I/O & TOSLINK Card
8 Channel Analog inputs on DB-25; 8 Channel Analog outputs on DB-25. Also includes optical TOSLINK input
Order Part Number: 829021

Multiple card slots allow for flexible and cost-effective configuration. Select the module cards you need now, our future proof design allows you to add additional cards/features as your requirements change.

AVB Input Card
Decodes two AVB streams of 8 Channels each via 100 BaseT Ethernet port.
Order Part Number: 829009

Dolby Decoder Card
Field upgrade for non-Dolby units. AMP2-16V models support 1 Dolby D/E/DD+ daughter card
Order Part Number: 829014

Specifications

Dimensions (W x H x D)	19" x 4.5" x 15" (483 mm x 89 mm x 381 mm)
Shipping Weight / Net Weight	23 lbs. (10.4 kg) / 18 lbs. (8.16 kg)
Level Meter Resolution	310 segments
Level Meter Scaling	AES • VU • Ext. VU • BBC • EBU • Nordic • DIN • Custom
Level Meter Parameters	Range • Threshold • Reference • Segment Colors • Ballistic • Pairwise Phase Indicators Limits • Lower Scale Compression • Arbitrary Phase Indicators
Loudspeaker Power	15 W per speaker
Acoustic Frequency Response	± 5 dB between 60 Hz and 16 kHz (-10 dB at 50 Hz, 20 kHz)
AES and SDI Input Termination	75 Ω Unbalanced
Analog Input Impedance	40k Ω
Noise	Better than -75 dB below full output
THD	<0.15% at any level below limit threshold
Power Requirements	100 V to 240 V AC ± 10%, 50/60 Hz
Power Consumption	150W maximum

Infinite Possibilities.   One Wohler.