

PANORAMAdtv, the video division of Wohler Technologies, Inc.

# PANORAMAdtv VAMP AC-3

6 Channel Dolby Digital AC-3 Audio & LCD Video Monitor



## Features:

4" Color LCD Video Screen - Autosensing NTSC/PAL

One Composite Video Input with Loop-Through

Select from Audio 2 Inputs

Source 1: Dolby Digital AC-3 or AES/EBU, either Balanced or Unbalanced with Loop-Through

Source 2: Dolby Digital AC-3 or AES/EBU, either Balanced or Unbalanced

Balanced Analog Output of 2 Selected Channels or Multi-Channel Downmix

Hear and See up to 6 Channels of Audio Simultaneously

Six High Resolution 53 Segment Level Meters Showing Simultaneous VU & PPM

Includes an Internal Dolby Digital AC-3 Decoder

Powerful 100dB SPL at 2 feet (0.6m)

Premium Quality Drivers & Power Amplifiers

Focused Sound, Reduces Adjacent Bay Crosstalk

Output Limiter Protected Speakers

Thorough Magnetic Shielding

The VAMP AC-3 is a complete integrated 6 channel Dolby Digital audio & composite video monitoring system as well as professional level metering in a compact two rackspace cabinet. Any 1 of 6 channels may be selected for the left speaker and analog output, and any 1 of 6 channels may be selected for the right speaker and analog output. Alternatively the 6 channels may be downmixed for monitoring and analog output, 3 left & 3 right. A 4" color active matrix TFT displays NTSC or PAL video from one composite video input with loop-through output. Brightness, chroma, tint, contrast controls are provided on the front panel.

The VAMP AC-3 features six 53 segment high-resolution tri-color LED level meters showing simultaneous VU and PPM for superior level-metering. Output limiter circuits are incorporated to protect the speakers, and extensive magnetic shielding allows placement immediately adjacent to video monitors with no color impurities.

The unique design provides optimally focused sound for operators in an Ultra Near Field (1 to 3 ft.) working environment and offers performance comparable to that of many separate monitor pairs, yet does so without the installation hassles, awkward speaker placements and "added-on" look. This provides for a higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk. Extended HF response reveals potential problems with audio whine or hiss and electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds.

Built and rigorously tested in the USA, our products are backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

**i-TECH  
COMPANY**  
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Video Monitoring

Level Metering

Alarm Systems

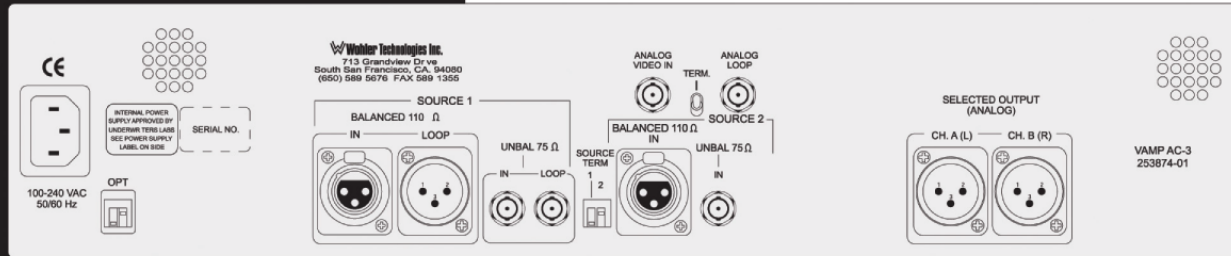
Audio Monitoring

**Wohler**

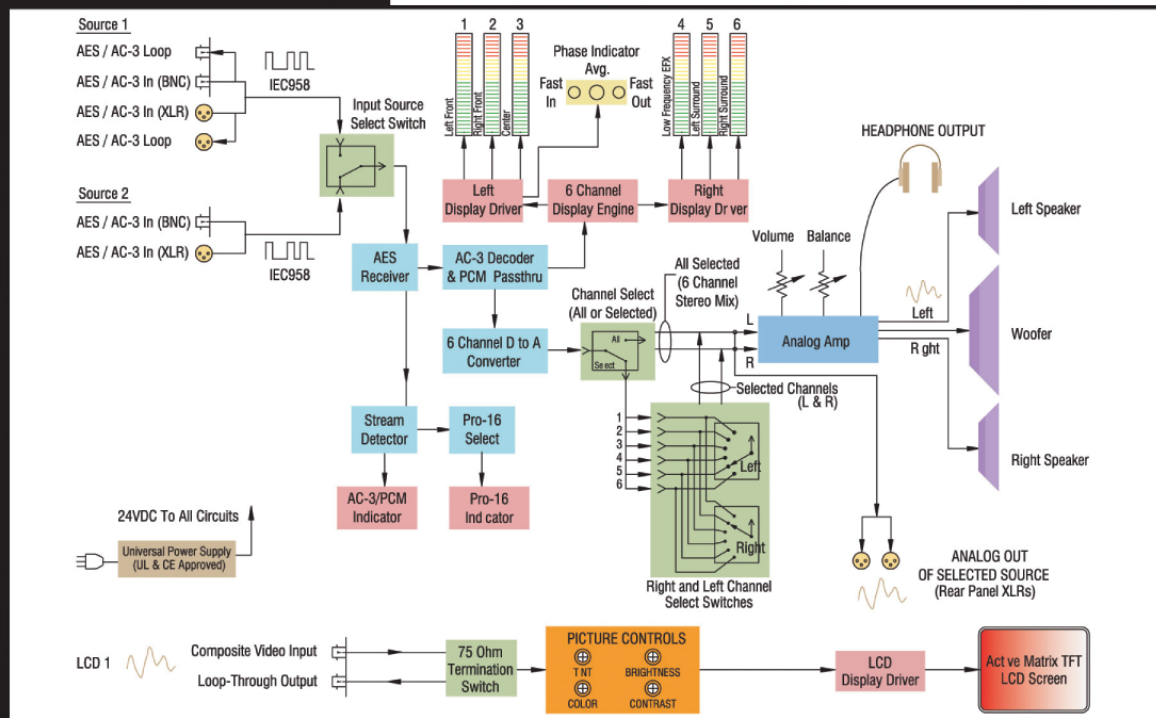
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## Rear Panel:



## System Diagram:



## Specifications:

Dolby Digital AC-3 or AES/EBU input-Source 1	1 balanced or unbalanced input with loop-through output, XLR / BNC
Dolby Digital AC-3 or AES/EBU input-Source 2	1 balanced or unbalanced input, XLR / BNC
Analog output	Balanced analog output of 2 selected channels or multi-channel downmix, XLR
Level meters	.6
Level meter no. of segments	.53
Level meter scale	.0 to -66
Level meter threshold	.0, +4, +6 or +8dBv : DIP switch selectable
Level meter dynamics	Simultaneous VU & PPM
Midscale resolution	1 dB
Peak acoustic output @ 2 feet	100dB SPL
Power output	RMS each side (4 Ohms) - 10W, 14W peak RMS center WOOFER (4 Ohms) - 25W, 35W peak
Frequency response (1/6 octave)	120Hz - 16kHz (±5dB) (-10dB @ 40Hz, 20kHz)
AC-3 & AES/EBU input termination	110 Ohms balanced, 75 Ohms unbalanced
Video inputs	1 composite video input with loop-through output, BNC connectors
Screen size	4" diagonal
Display resolution	480H x 230V
Display modes	NTSC/PAL Autosensing
Aspect ratio	4:3
Picture controls	brightness, chroma, tint & contrast
Lamp life	15,000 hours (avg.)
Hum and noise	better than -68dB below full output
Electrical distortion	<0.15% at any level below input threshold
Magnetic shielding	<0.8 gauss any adjacent surface
Power consumption (AVG. MAX.)	.45W
Dimensions (HxWxD)	3.5 x 19 x 12" (44.5 x 483 x 305mm)
Weight (approx.)	18lbs (8.2kg)
Power supply	100 to 240VAC, 50/60Hz universal input CE and UL approved

All specifications are subject to improvement

"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.