

World Leader • In-Rack • Audio & Video Monitoring

# WOHLER ATSC/DVB-3

6 Channel Dolby Digital AC-3 Audio Monitor



## Features:

Select from 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 104dB SPL at 2 feet (0.6m)

Premium Quality Drivers & Power Amplifiers

Excellent Frequency Response and Low Distortion

Focused Sound, Reduces Adjacent Bay Crosstalk

Audible Indication of Phase/Polarity Problems

Output Limiter Protected Speakers

Thorough Magnetic Shielding for Placement next to Video Monitors

The ATSC/DVB-3 is a complete exceptionally high quality audio monitoring system offering premium quality 6 channel Dolby Digital AC-3 audio monitoring as well as professional level metering in a compact two rackspace cabinet. This unit contains three audiophile-quality drivers and three power amplifiers; two speakers and amplifiers reproduce midrange and high frequency information, while the third amp/driver combination handles summed LF information below the 500 Hz crossover point. 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 down-mixed for monitoring and analog output. 3 left & 3 right.

The ATSC/DVB-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.

This unit is ideally suited for use in space critical environments such as TV facilities, studios, VTR bays, mobile production vehicles, satellite links and indeed, any rackmount environment where multi-channel audio monitoring is required. Built and rigorously tested in the USA, our products are backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

**I-TECH  
COMPANY**  
www.i-techcompany.com  
Toll Free: 1-888-483-2418  
USA: 1-510-429-9288  
Fax: 1-510-372-2736

Audio Monitoring

Level Metering

Alarm Systems

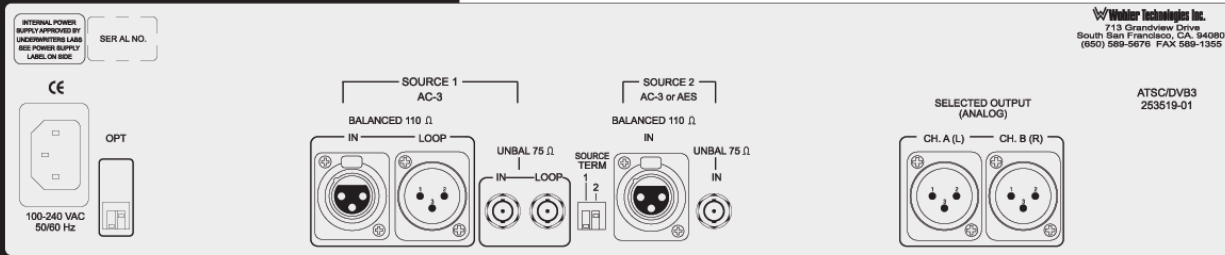
Video Monitoring

**Wohler**

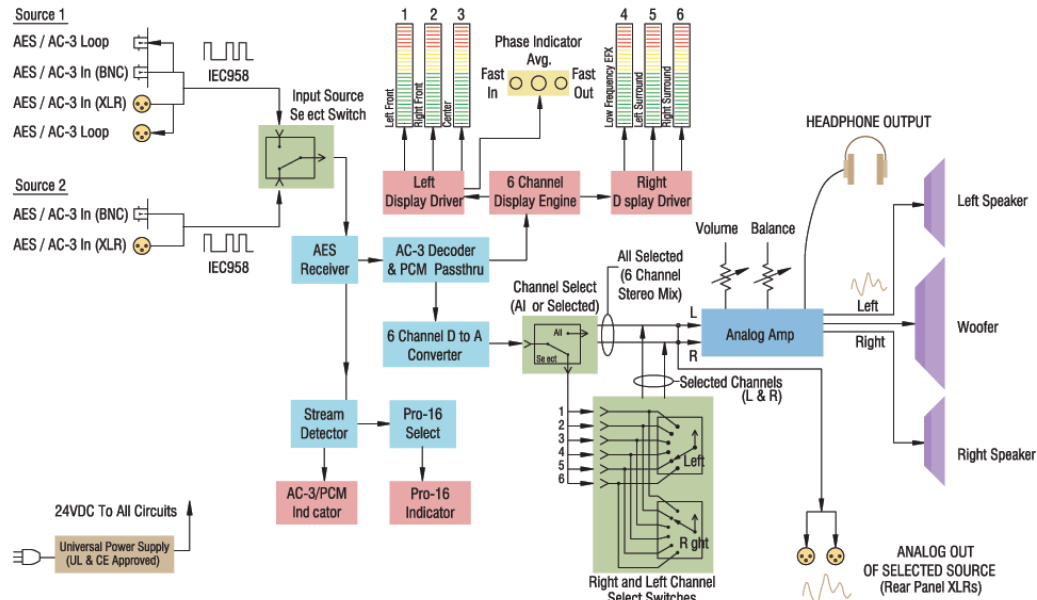
# WOHLER ATSC/DVB-3

6 Channel Dolby Digital AC-3 Audio Monitor

## 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 . . . . . 104dB SPL

Power output . . . . . RMS each side (4 Ohms) - 10W, 14W peak  
RMS center WOOFER (4 Ohms) - 25W, 35W peak

Frequency response (sixth octave) . . . . . 80Hz - 16kHz (±5dB)  
(-10dB @ 40Hz, 20kHz)

AC-3 & AES/EBU input termination . . . . . 110 Ohms balanced, 75 Ohms unbalanced

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.

