

VIO AM can monitor SDI embedded audio, analog audio stereo signal, and AES signal at the same time with two high-quality speakers, which are independent of each other. So the speakers can be configured to monitor the any input audio source. VIO AM is an ideal solution for audio monitoring and applies to various occasions, such as studio.

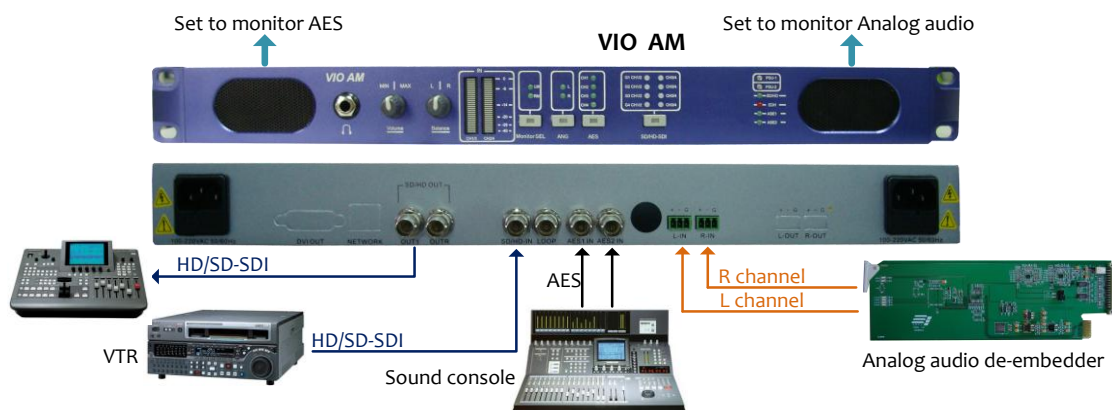


Key Features

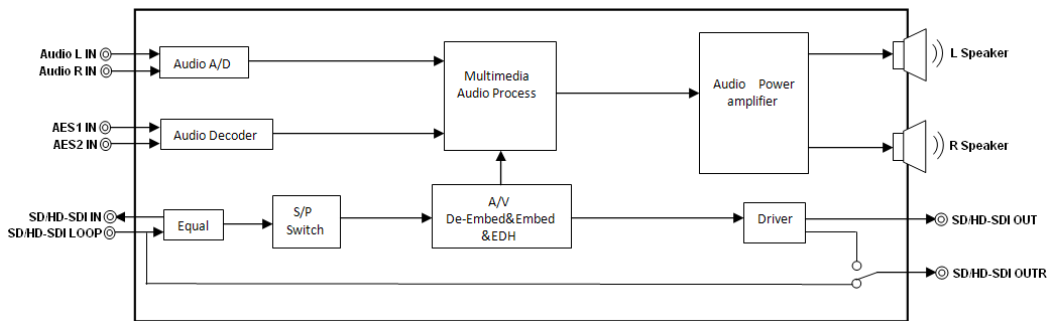
- Monitor various kinds of audio signals: analog audio, AES, and SDI embedded audio
- Support up to 16 channels for SDI embedded audio, one analog audio stereo signal, and 2 AES
- Two high quality of speakers and head phone on the front panel, adjustable audio volume and L/R balance via knobs
- Set the audio source to monitor manually though buttons on the front panel
- Display audio PPM directly on the front panel
- Real time EDH detection and alarm indicated by LED indicator
- Based on 1U chassis structure, redundant power and fan designed

Application

The speakers can be configured to monitor the identical audio channel or the audio channels from completely different audio source. For example, one speaker is set to monitor one channel of AES; meanwhile another is set to monitor one channel of Analog audio.



Function Block Diagram



Technical Specifications

VIO AM-HD

Video Signal Input

Input: 1xHD/SD-SDI, BNC, 75ohm
Standard: SMPTE 292M; 1.5Gbit/s
SMPTE 259M; 270Mbit/s

Embedded audio: Up to 16 channels

Return Loss: >15dB

Video Signal Output

Output Interface: 3xHD/SD-SDI, BNC, 75ohm
(2 HD/SD-SDI outputs, 1 of 2 for loop-out without power, 1 HD/SD-SDI loop)

Standard: SMPTE 292M; 1.5Gbit/s
SMPTE 259M; 270Mbit/s

Digital Audio Signal Input

Interface: 2xAES, BNC, unbalanced

Analog Audio Signal Input

Interface: 1xaudio stereo, 3pin, balanced
Max level: +24dBu

Physical

Power Supply: 2x120W

VIO AM-SD

Video Signal Input

Input: 1xSD-SDI, BNC, 75ohm
Standard: SMPTE 259M; 270Mbit/s
Embedded audio: Up to 16 channels

Video Signal Output

Output Interface: 3xSD-SDI, BNC, 75ohm
(2 SD-SDI outputs, 1 of 2 for loop-out without power, 1 SD-SDI loop)

Standard: SMPTE 259M; 270Mbit/s

Digital Audio Signal Input

Interface: 2xAES, BNC, unbalanced

Analog Audio Signal Input

Interface: 1xaudio stereo, 3pin, balanced
Max level: +24dBu

Physical

Power Supply: 2x120W

Ordering Information

- VIO DAP-SD: SD digital audio gain controller (manual control only)
- VIO DAP-HD: HD digital audio gain controller (manual control only)
- VIO ALC-SD: SD digital audio loudness controller
- VIO ALC-HD: HD/SD digital audio loudness controller
- VIO RCP-A: VIO ALC/DAP universal remote panel, with speakers
- VIO AM-SD: Analog/AES/SD embedded digital audio monitor
- VIO AM-HD: Analog/AES/HD/SD embedded digital audio monitor