



VHDM-3108G

This is the professional audio monitoring equipment to consider loudness and environment. It is capable of Video/Audio 3G/HD/SD-SDI bit stream, 4 AES/EBU (balanced and unbalanced), 4 Analog channels.

Features

- Audio Loudness(LUFS/LKFS) Monitoring
- Ability to monitor all kinds of audio (3G/HD/SD-SDI embedded audio, Digital AES/EBU, Analog audio, etc)
- 4CH 3G/HD/SD-SDI preset based audio de-embedder(16CH) - 2CH Basic
- 4CH AES/EBU digital(unbalanced 75 Ohm and balanced 110 Ohm) audio
- 4CH Analog audio*
- Dual 2.4" TFT-LCD, Display Resolution 320X240
- Graphic Audio 16CH Level Meters 70 Segment
- Audio Level Meter Scale : SMPTE Digital, EBU IRT, BBC, SMPTE IRT, FRANCE VU, NORDIC, SMPTE VU, EBU Digital, Expanded DIN, EBU, EBU VU, DIN
- Phase-correlation LCD display, Speaker Alarm and Audio Phase reversal detection
- Audio Multi Monitoring(SDI, AES/EBU and Analog)
- Premium quality drivers and power amplifiers
- High quality production processing, not a simple monitoring
- User-friendly button designed on the front panel
- Left/Right Power Speaker(8 Ohm 5W), Left/Right woofer Speaker(4 Ohm 10W)
- High sensitivity headphone jack
- System Controlled by SNMP*
- 19" standard rack mountable(1RU)

• * is optional.

Audio Monitor									
VHDM-3108G	Channel	Rack SIZE	3G	HD/SD -SDI	AES/EBU	Analog	PHASE	Level Meter	Premium AMP
	4	1RU	√	√	√	√	√	√	√



Back

3G/HD/SD-SDI, Dolby, AES/EBU, Analog Audio Input/Output

- 4ch 3G/HD/SD-SDI embedded audio Input - 2ch basic
- 2ch 3G/HD/SD-SDI output
- 4ch digital(AES/EBU) audio Input (75 Ohm unbalanced)
- 4ch digital(AES/EBU) audio input (110 Ohm balanced)
- 4ch digital(AES/EBU) audio output (75 Ohm unbalanced)
- 4ch digital(AES/EBU) audio output (110 Ohm balanced)
- 4ch analog audio input (balanced)*
- 4ch analog audio output (balanced)*
- 2ch program and Monitor audio output (balanced-XLR)
- 2ch program and Monitor audio output (Unbalanced-BNC)
- Ethernet (SNMP : TCP/IP)*
- RS-422 x 3 (Remote Control, Loudness Tally Display, Loudness Control)

• * is optional.

Specifications

3G/HD/SD serial video input

Standard	SD,HD and 3G-SDI: SMPTE 292M, SMPTE 259M, SMPTE 424M
Number of input	2
Connector	BNC
Equalization	Typical maximum equalized length of 5C cable: 80m at 2.97Gb/s, 150m at 1.485Gb/s, and 250m at 270Mb/s
Return loss	> 15dB up to 1.5GHz

AES/EBU audio input

Standard	AES-1992 for balanced synchronous or asynchronous PCM/AES, SMPTE 276M for single ended synchronous or asynchronous PCM/AES
Number of input	75Ohm : 4 / 110Ohm:4
Connector	BNC or D-sub
Sampling rate	32 kHz to 96 kHz
Resolution	24 bit
Impedance	110 Ohm or 75 Ohm
Level	0.2V to 1V nom for BNC, 2V to 7V for balanced operation

Electrical & Mechanical

Input voltage	100V - 240V AC
Frequency	50/60 Hz
Power	100W
Dimension	483X44X233mm(WxHxD)
Weight	5.9Kg
Operating temperature	0°C to +40°C

3G/HD/SD serial video output

Standard	Same as serial video input
Number of output	2
Signal level	800mV nominal
DC offset	0V±0.5V
Rise/Fall time	135ps nominal
Overshoot	<10% of amplitude
Return loss	>15dB up to 1.5GHz(typ.) >10dB up to 3GHz(typ.)
Wideband jitter	<0.2UI

AES/EBU audio output

Number of output	75Ohm : 4 / 110Ohm : 4
Connector	BNC and D-sub 26pin
Resolution	24 bit

Analog audio input/ output

Type	Balanced analog audio
Number of input	4
Number of output	4
Input impedance	10K Ohm
In/out connector	D-SUB 26P Male/Female
Frequency response	±0.2dB(20Hz ~ 20KHz)
Total Harmonic distortion	0.05%(20Hz ~ 20KHz)
Signal-to-noise ratio	-75dB(20Hz ~ 20KHz)
Acoustic distortion	8%

Program and Monitor Line Output

Type	Balanced, Unbalanced
Number of output	Stereo/1
Out connector	XLR/BNC

Color TFT-LCD

Screen size	2.4 Inch TFT-LCD
Display resolution	320X240
Contrast ratio	500:1