

4Ch HD/SD-SDI Video AES/EBU, Analog Audio Monitoring System

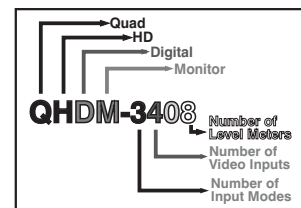


QHDM-3408

- This is the professional high quality audio monitoring solution capable of monitoring Video/Audio 4 channel HD-SDI or SD-SDI bit stream(selectable), two sets of four AES/EBU signal pairs (balanced and unbalanced), or eight balanced analog channels.

Features

- 4.1 Wide color TFT-LCD screen.
- Quad-split function or fullscreen mode for each HD/SD-SDI input.
- UP to 1920x1200 resolution on SDI output.
- Full variable scaling and positioning for all individual inputs.
- 8 and 16 character UMD capability.
- Color corrector.
- Automatic 4:3 and 16:9 modes through VI or WSS triggers(SD-SDI inputs).
- Multi-Audio Monitoring as a Whole-in-One .
- Ability to monitor all kinds of Audios .
- HD/SD-SDI embedded audio, Digital AES/EBU, Analog audio, etc .
- High quality Production processing, not a simple monitoring .
- User-friendly equipment by a remote control based on IP to support SNMP .
- User friendly button designed on the front panel .



Specifications

- 4 Channel HD/SD-SDI preset based audio De-embedder(16channel).
- 4 Channel digital(Unbalanced75Ω/Balanced110Ω).
- 8 Channel analog audio.
- Premium quality drivers and power amplifiers
- Front panel summing of any combination up to 16 channels to the left and/or right speaker..
- Audio Level meters 8x26-segment.
- Audio Level meters Dynamics VU and PPM.
- 8x53-segment Tri-Color LED bar graphs displaying.
- Phase-Correlation LED bar Display
- Left/Right power speaker(8Ω 20W).
- SNMP LCD control panel.
- Rack controllers SNMP compatible(TCP/IP).
- EIA-2 Multi frame unit.
- Headphone jack of high sensitivity.

Highlights



Speaker

LED Bar

Quad Monitor

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HD/SD-SDI Quad Monitoring System

- HD/SD-SDI Embedded Audio Input (4 Channel) .
- HD/SD-SDI 4x1 Routing Output.
- Dual HD/SD-SDI Processed Output (De-Embedder) .
- Up to 1920x1200 Resolution on DVI Output .
- Up to 1920x1080P on SDI Output(HD/SD) .
- 4 Channel Digital(AES/EBU) Audio Input(75Ω Unbalanced) .
- 4 Channel Digital(AES/EBU) Audio Input(110Ω Balanced) .
- 4 Channel Digital(AES/EBU) Audio Output (110Ω Balanced) .
- 4/8 Channel Analog Audio Input(Balanced) .
- 2/8 Channel Analog Audio Output(Balanced) .
- Ethernet (SNMP : TCP/IP).
- Remote (PC Software) .

Specifications for QHDM-3408

HD/SD Serial Video Input

Standard	625/50 or 525/59.94 SMPTE 259M-C (270Mb/s) with SMPTE 272M embedded audio SMPTE 292M (1.5Gb/s), SMPTE 260M, SMPTE 274M, SMPTE 296M, SMPTE 349M 1080i/59.94, 1080i/50, 720p/59.94, 720p/50
Equalization	Automatic to 100m @ 1.5Gb/s with Belden 1694A or equivalent cable.
Return Loss	> 15dB up to 1.5GHz
Number of Inputs	4

AES/EBU Audio Input

Connector	BNC or D-sub (balanced)
Standard	AES-1992 for balanced synchronous or asynchronous PCM/AES, SMPTE 276M for single ended synchronous or asynchronous PCM/AES
Number of Inputs	4/4
Sampling Rate	32 kHz to 96 kHz
Sampling Rate(LED Bar)	32kHz to 48 kHz 24 bits
Resolution	110Ω or 75Ω
Impedance	0.2V to 1V nom for BNC, 2V to 7V for balanced operation
Level	

Electrical & Mechanical

Input Voltage	100V - 240V AC
Frequency	50/60 Hz
Power	150 W
Dimension	482(W) X 88(H) X 345(D)mm
Weight	5.8Kg
Operating Temperature	0°C ~ 40°C

HD/SD Serial Video Output & DVI output

Standard	DVI digital single link ~1920 x 1200
Number of Outputs	1
Cable driver	Up to 10 meter of high quality DVI cable (Gefen)
Standard	Same as Serial Video Input
Signal Level	800mV nominal
DC Offset	0V ±0.5V
Number of Outputs	2
Rise/Fall Time	200ps nominal for HD, 750ps nominal for SD
Overshoot	< 10% of amplitude
Return Loss	> 15dB up to 10Gb/s, > 10dB up to 1.5Gb/s
Wideband jitter	< 0.2UI

AES/EBU Audio Output

Number of Outputs	4
Connector	D-sub 15 Pin
Resolution	24 bits

Analog Audio Input/Output

Type	Balanced Analog Audio
Input impedance	10KΩ
Number IN/OUT	2/8 Channel(option)
IN/OUT Connector	D-SUB 25Pin 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%

Color TFT-LCD

Screen Size	4.1-Wide
Display	800X480
Contrast Ratio	400:1
Viewing Analog	45/65(V/D), 65/65(L/R)
LCD life	25,000 hours