AMS160 Embedded Audio/Analog Audio Monitor AMS160

Description:

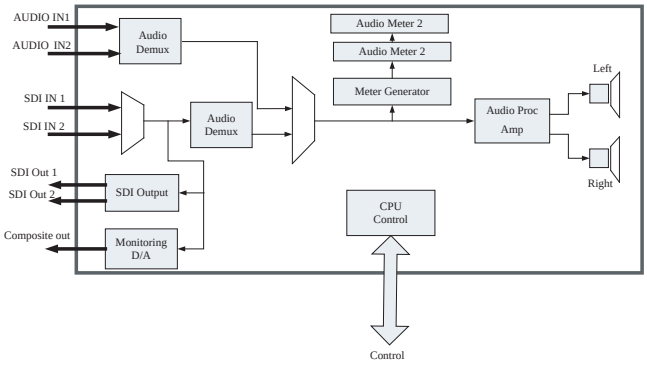
The AMS160 (Audio Monitoring System) is a broadcast quality audio monitoring device for embedded analog audio. The compact size (1RU) and the loaded feature set have made the AMS-160 an indispensable tool for monitoring a wide assortment of embedded audio/analog audio signals in the broadcast, remote and post-production environments.

The AMS160 accepts both embedded and dual mono/stereo audio. A user selectable switch allows the operator to easily rotate through all the input sources.

Four LEDs will indicate which input source is selected.

The output speakers allow the input source to be monitored more effectively, and a headphone jack is provided on the front panel. The speakers will be automatically muted in no time when the headphone jack is connected. Likewise, the speakers will resume speech when the heaphone jack is not connected. Both balance and volume controls are user-definable. The audio output may also be muted.

The AMS160 features two 26-segment LED level meters showing VU & PPM simultaneously for accurate level-metering. The extensive magnetic shield allows placement immediately adjacent to video monitors with no color impurities.



Features:

- 1RU rack unit high
- 2 SDI inputs (selectable group & sub-group)
- 2 balanced analog inputs (1 stereo)
- 2 reclocked SDI outputs;
- User selectable input sources
- 1 composite analog video output
- Two 26-segment tri-color level meters displaying VU & PPM simultaneously
- 2 speakers
- Headphone jack, muted speakers
- Volume and balance control
- Quick and simple installation

Specifications: specifications are subject to change without notice

Serial Digital Video Input (only for AMS160-D2 or AMS160-DA2)

Quantity	2
Standards	259M-C 270 Mb/s; 525/625 auto sensing
Connector	BNC per IEC 169-8
Impedance	75 ohms
Return Loss	>18 dB to 270MHz
Signal Level	800mV ±10%
Equalization	Auto EQ to 300m

Serial Digital Video Output (only for AMS160-D2 or AMS160-DA2)

Quantity	2
Standards	259M-C 270 Mb/s; auto sensing
Connector	BNC per IEC
Impedance	75 ohms
Return Loss	>18 dB to 270MHz
Signal Level	800mV ±10%
DC Level	0.0 V ±0.5 V
Overshoot	< 10% of amplitude (all outputs terminated)
Rise and Fall Time	0.4 to 0.8ns(20% to 80% of amplitude)
Jitter	<500ps

Composite Analog Video Output (only for AMS160-D2 or AMS160-DA2)

Quantity	1
Standards	NTSC, PAL-B
Impedance	75 ohms
Return Loss	>40 dB to 5.75MHz
Quantizing	8 bits
Frequency Response	±0.25dB to 5MHz
Differential Gain	<1.5%
Differential Phase	<1.2°
DC Offset	±50mV
Chroma/Luma Delay	<10ns to 5MHz
Chroma/Luma Gain	+/-1.5%
Transient Response	<0.5% K Factor
Signal to Noise	>54dB RMS to 5MHz

Analog Audio Input

Quantity	2
Sampling Rate	48KHz
Connector	3-pin connector
Input Operating Level	+24,+20,+18,+12dBu
Impedance	>36 Kohms
A/D Resolution	24-bit

Level Meters

Quantity	2
Display	26-segment
Scale	0 to -48dBFS(AES), +12dB to -50dB(VU)
Dynamics	VU & PPM simultaneously
Level Meter Threshold	0 VU to -12/-18/-20/-24dBFS, DIP Switch Selectable
Midscale Resolution	2dB

Speaker Output

Quantity	2
Power	10W peak per speaker
Freq. Response	80Hz-20KHz (+/-5dB)

Headphone Output

Quantity	1

Connector	Stereo headphone jack
Power	150mW per channel in 32-ohm speakers shut-off on connection

Control

Magnetic Shield	<1 gauss any adjacent surface
Chassis Type	1RU, 19" rack mounting
ALC/Manual Switch	Yes, with display
ALC Gain	+/-6dB to +12dB, 0.5dB step, with display
Manual Gain	-96dB to +12dB, 0.5dB step, with display
Gain Source	Yes, Ch1/Ch2/Ch3 & Ch2
Power Consumption	<30W
Power Supply	100-240 VAC, 50/60Hz
Dimensions(HxWxD)	44.5x483x260mm

Ordering Information:

AMS160-A2：	Analog audio monitor
AMS160-D2：	SDI Embedded audio monitor
AMS160-DA2：	Analog and embedded audio monitor