

FEATURES

- ▷ Up to 3G/HD/SD-SDI Input With Integrated 16 Channel De-embedder
- ▷ Monitoring of up to 16 Channels of Embedded Audio
- ▷ Reclocked SDI Output
- ▷ High Power Class D Stereo Audio Amplifier
- ▷ Onboard 5.1 Surround Sound Lt/Rt Downmixer
- ▷ True Peak VU or LKFS Loudness Level Display, with Full 16 Channel Monitoring Display
- ▷ Redundant Power Supply Option
- ▷ Headphone & Analog Audio Outputs
- ▷ Easy Audio Source and Mode Selection
- ▷ Ethernet Connection to Dashboard Control System For Monitoring, Control and Software Upgrades
- ▷ 3-year Transferable Warranty

APPLICATIONS

- ▷ Broadcast
- ▷ Mobile Production Trucks
- ▷ Master Control/CER
- ▷ Confidence Monitoring



C16A_1 Front



C16A_1 Rear

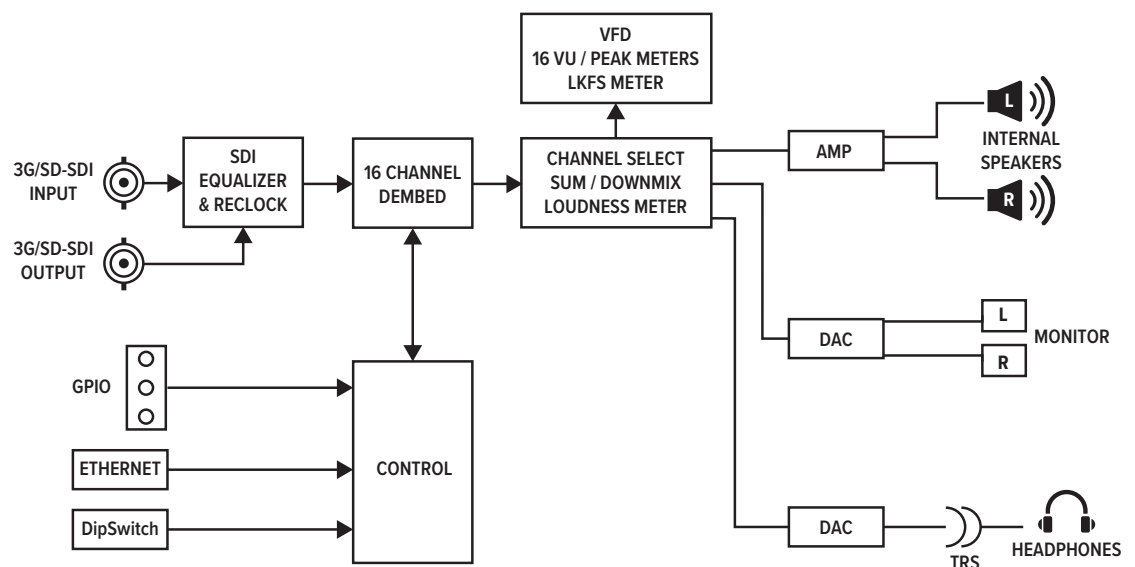
The C16A-1 is a compact, lightweight 1RU embedded audio monitor. Designed to meet the demands of the broadcast industry, the C16A-1 is capable of de-embedding all 16 channels of audio from an incoming SDI signal. The audio monitor provides both visual and aural monitoring with built-in front panel display and speakers.

Embedded audio level is displayed on 16 VU/PPM meters while intuitive control offers easy source and mode selection for the built-in speakers. An LKFS meter and numerical display provides loudness measurements for the selected input according to ITU1770/1771 LKFS. Additional information such as true peak, input signal data, audio group presence and type, and mode selection are also displayed on

screen. Parameters related to LKFS measurements can be set using the Dashboard® interface.

High quality speakers, along with a high-performance class D stereo amplifier offer excellent sound quality suitable for any monitoring environment. The front panel also includes a volume control (with push to mute) and a 1/4-inch headphone jack. The rear of the C16A-1 provides a single SDI input with re-clocked SDI output and 2 channels of analog audio outputs for external monitoring of selected sources. The C16A-1 is powered by an external power supply that is included with the unit. There is also a second power input connector for those applications where optional redundant power supply may be desired.

BLOCK DIAGRAM



TECHNICAL SPECIFICATIONS

SDI	75 Ohm BNC,800mV nominal SMPTE 259M,292M,424M
Analog Audio	3 pin terminal blocks, Left/Right -20dBFS=+4dBu, Balanced 60 Ohm
Dimensions (W"xH"xD")	19"W x 1.75"H x 8.5"D
Weight	4 lbs. (Approximate)
Power	External 90-240VAC, 90W (24VDC)

ORDERING INFORMATION

Part #	DESCRIPTION
C16A-1	3G/HD/SD-SDI 16 Channel Embedded Audio Monitoring System 1 RU. Includes Power Supply.