



Description

The VIS-4832 is normally used in connection with the VIM-1832 or VIM-MY32 YGDAI cards to achieve a 32x8 fiber-optic transport system. The VIS-4832 / VIM-1832 or VIM-MY32 system is normally used as a transport for STAGE to FOH with or without splits, using other manufacturers digital mic-pre's input to the VIS-4832. This VIS-4832 / VIM-1832 system can also be used as a 32 channel drive snake.

This device contains 32 AES digital inputs and 8 analog OR 8 digital outputs (returns). There are word clock & super clock outputs presented on BNC connectors. The VIS-4832 is supplied with a pair of transmit/receive LC fiber connectors (other connector types possible). 2 fiber optic splits are available as an option. These splits (transmit only) are presented on single LC connectors. The VIS-4832 will operate at 48k or 96k. There are "sync" status LED's on the front and rear panels of the unit. These LED's will be solid green when in sync, flashing red and green while looking for sync, and solid red when no sync is present.

The "control" connection is a TTL data port which appears on an EtherCon® connector. It allows LightViper accessory devices such as the DMX4o (DMX lighting control) or MD3 (RS422/232/MIDI) to be connected to the unit. The EtherCon® output of the DMX4i or RJ45 on the MD-3 is input to the VIM-1832 via the "control" EtherCon® connector, combined with the audio input data, and transported via fiber to the VIS-4832. This data is then output from the "control" EtherCon® connector on the VIS-4832 and input into a DMXo or MD-3, where the TTL data is translated back into the original format. The VIS-4832 is convection cooled. AC power is via standard IEC connector. The unit can operate at any voltage 50-60Hz, 90-250v AC.

Architect's Specifications

The device shall provide 32 AES digital inputs on two DB25 connectors, and 8 analog line level on 1 DB25 connector OR 8 AES digital outputs on 1 DB25 connector. The device shall contain multi mode optics, with single mode optics available as an option. There shall be a transmit / receive fiber pair presented on LC connectors (other connector types possible). There shall be a 2 additional (optional) optical "splits" each presented on a single LC fiber connector. The device shall be capable of operating at 48k or 96k. The device shall contain LED sync status indicators, one on the front panel and one on the rear panel. These LED's will be solid green when in sync, flashing red and green while looking for sync, and solid red when no sync is present. There shall be a TTL data port labeled "control" presented on an EtherCon® connector. The device shall be convection cooled. The device shall operate at any voltage 50-60Hz, 90-250v AC. AC power shall be via standard IEC connector. The device shall contain a 5x20 mm, 1A Slo-Blo power fuse. The device shall be the LightViper VIS-4832.

Features & Benefits

- Remote control of mic-pre's
- Extremely low latency
- Fiber runs up to 2km (multimode), 20km (Singlemode)
- Three way optical split
- 48k or 96k operation

Applications

- Mobile (remote) Recording
- Live Sound Production
- Theme Parks
- Performing Arts Centers
- Churches

Ordering Information

VIS-4832 - S - O2

Optical Connector

LC
O2 = Neutrik OpticalCon Duo
O4 = Neutrik OpticalCon Quad

Fiber Type

M = 62.5/125µm Multimode (1310)
E = 50/125µm Multimode (1310)
W = 62.5/125µm Multimode (850)
S = 9/125µm Singlemode (1310)

General Specifications

Total Harmonic Distortion + Noise ¹	Less than 0.01%	1 KHz @ +4 dBu
Frequency Response	± 0.5 dB	20-20kHz @ +16 dBu
Analog Dynamic Range	102 dB	
Crosstalk	5 dB above noise floor	
Sampling Rate	24 bit / 96kHz or 24 bit / 48 kHz	
Latency	630 μs, analog input to analog output. 20μs one way, digital input to digital output.	
Operating Temp	0 to +50°C ambient temperature.	
Cooling	Fan cooled	
Sync LED	LED (green) indicates optical link OK, LED (red) indicates problem with optical link, LED (off) indicates no power.	
AC Power	Universal 90-250 VAC, 50/60 Hz, IEC connector with fuse	
Max Current Rating	0.473 mA @ 90V	
On / Off Control Date + MIDI	RJ-45 connector for logic level control, CMOS or TTL at 2 MHz max per channel.	
Dimensions	1 Rack Unit X 6.5" Deep	
Weight	6.5 lbs	

**1-Hum & Noise are measured with an AES17 compliant filter at 20 kHz. Temperature condition @+10 - +25° C.*

Input Characteristics

Digital Inputs 1-32	AES3 Digital
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Output Characteristics

Connection	Actual Source Impedance	For Use With Nominal	Output Level ¹		Connector
			Nominal	Max Before Clip	
Analog Outputs 1-8	150 Ω	600 Ω Lines	+4 dBu (1.23 V)	+19 dBu (7 V)	DB-25, Tascam™ DA-88 pinout, 8 channels per connector
Digital Outputs 1-8	AES3 Digital				DB-25, 8 channels per connector

*1-0 dBu is referenced to 0.775 Vrms.

Fiber Connection Characteristics

Connection	No. of Fibers	Optical Type	Optical Device	Connector Type
Primary Tx/Rx	2	Multimode. Singlemode optional.	Optical SFP transceiver	Dual LC. ST or Neutrik optional
"Splits"Tx only (2 Optional)	1	Multimode. Singlemode optional.	Optical SFP transceiver	Single LC. ST or Neutrik optional

