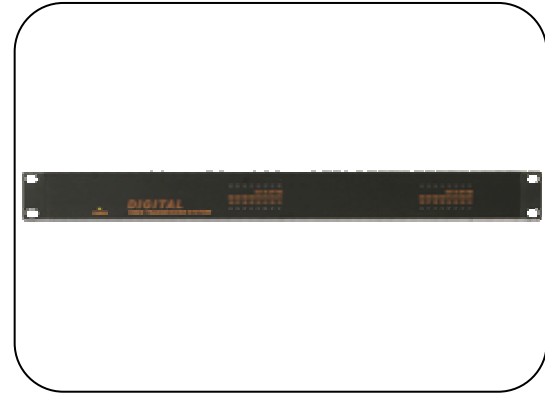**24bit bi-directional audio**

Model:
VDS20032-T
VDS20032-R

Description

The VDS20032 model provides for the simultaneous transmission of 32 audio signals over one multimode or single mode optical fiber. The modules are available in either stand-alone or rack mount versions.

CHANNEL AVAILABILITY

(Specify at time of order)	Forward Path	Reverse Path
Number of Video	0 to 16	0 to 16
Number of Audio	0 to 32	0 to 32
Number of Data	0 to 28	0 to 28
Number of Ethernet	1	1

Features

• 32-channel audio fiber optic transmitters and receivers

• 24 bit digitally encoded audio

• Anti-lightning chips on both Video and Data interface

• No In-field Electrical or Optical Adjustments Required

• NTSC, PAL, SECAM auto compatible

• Power, Video Presence, Data In/Out, and Fiber Status Indicating LED's to Monitor System Performance

• Hot swappable rack-mount cards

• 12 VDC or 24 VAC power supply

• Industry standard connectors

Ordering information

Models	Wavelength	Fiber Type	MAX. Distance
VDS20032-MT VDS20032-MR	1310/1310nm	MM	2Km
VDS20032-MT VDS20032-MR	1310/1550nm	SM	20km (40/60/80km optional)

*Optical transmission distance is limited to optical loss of the fiber and additional loss introduced by connectors, splices and patch panels. Distance can also be limited by fiber bandwidth. **For 50/125 Fiber, subtract 4 dB from optical power budget.

The management system governing the manufacture of this product is ISO 9001:2000 certified.

Video, audio and data fiber optic transmission system

VIDEO
AUDIO
DATA
SYSTEM

VADSYS

Specifications

Audio	
Input/output level	2Vp-p
Total harmonic distortion	≤1%
Bandwidth (-3 dB)	20~15KHz
Encoding	24bit
Input/output impedance	600Ω or 100KΩ
SNR	≥70 dB
Connector type	Terminal Block with Screw Clamps
Ethernet Rate	10/100Mbps

Power/Environmental	
Stand-alone	6W
Rack-mount	6W
Power adaptor	220VAC to 12VDC/1A
Operating temperature	-40°C to +70°C
Relative humidity	< 95% (non-condensing)
MTBF	>100,000 Hrs

Optical	
Wavelengths	1310/1550nm
Fiber type	SM/MM
Budget (system)	12dB
Output power	–5 ~ –10dBm
Receiver Sensitivity	-24dBm
Connector type	FC (SC or ST optional)

Mechanical	
Stand-alone Dimensions (mm)	260L x 205W x 45H
Rack-mount Dimensions (mm)	260L x 173W x 40H
Stand-alone Weight (kg)	2.5
Rack-mount Weight (kg)	1.5

System Design

32 Audio in/out — **VDS20032-T** ——○○—— **VDS20032-R** — 32 Audio in/out

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Due to our continued effort to advance technology, product specifications are subject to change without notice.