

Model:
VDS3525-T
VDS3525-R

Description

The VDS3525-T/R model provides for the transmission of 2 channel one-way SDI over one multimode or single mode optical fiber



CHANNEL AVAILABILITY

(Specify at time of order)

Number of SDI input	2
Number of SDI output	0-3
Number of local loop-out on transmitter	1
Number of backup SDI input on receiver	1

Features

- Transmits 2 SDI television signal over one single-mode fiber .
- SMPTE 259M and SMPTE 344M compliant
- Supports data rate operation of 143, 177, 270, 360, 540 Mbps and DVB-ASI at 270 Mbps
- Supports multi-mode or single-mode fiber
- Fully hot swappable from front of frame with no fiber or BNC disconnect/reconnect required
- Automatic input cable equalization to 350m
- Power, Video Presence and Fiber Status Indicating LED's to Monitor System Performance
- 1RU, 4RU, single standalone frame options

Ordering information

Models	Wavelength	Fiber Type	MAX. Distance
VDS3525-T VDS3525-R	1310/1310nm	MM	1km
VDS3525-T VDS3525-R	1310/1550nm	SM	20km (40/60 km 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.

Specifications

Serial television BNC input	
Standards of television signal	SMPTE305M(SDTi), SMPTE(19.4Mb/s), SMPTE344M(540Mb/s),M26 and DVB-ASI(270Mb/s)
Return Loss	>15db
Input/output	1/2
Output level equilibrium	1Vp-p
Connector type	0-350m@270Mb/s BNC 75Ω

Serial television BNC output(EO/OE)		Electric Index	
Level	800mV(standard)	Operating temperature range	0°C~+50°C
Time for Up/Down	900ps(standard)	Voltage	0.5A@12VDC
Over shoot	Swing <10%	Power	6W
Reflected wear	>15db	EMI/RFI	FCC Part15 Class A,EU EMC standard
Jitter	<0.2UI	MTBF	>100000 hours
Connector type	BNC 75Ω		

Optical	
Wavelengths	1310 or 1550nm
Fiber type	SM or MM
Budget (system)	>14db
Output power	-5 ~ -10dBm
Receiver Sensitivity	-24dBm
Fiber Adapter	FC/PC (SC or ST available)

System Design

