

## 2ch SDI/ASI Fiber Optic Transmission System

Model: VDS3525-T

### **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

Number of SDI output

Number of local loop-out on transmitter

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	1310/1310nm	ММ	1km
VDS3525-R			
VDS3525-T	1310/1550nm	SM	20km
VDS3525-R			(40/60 km optional)

<sup>\*</sup>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.

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## **Specifications**

Connector type

# Standards of television signal Standards of television signal Return Loss Input/output Output level equilibrium SMPTE305M(SDTi), SMPTE(19.4Mb/s), SMPTE344M(540Mb/s), M26 and DVB-ASI(270Mb/s) 1/2 1/2 1/2 0-350m@270Mb/s

### Serial television BNC output(EO/OE)

Level	800mV(standard)
Time for Up/Down	900ps(standard)
Over shoot	Swing <10%
Reflected wear	>15db
Jitter	<0.2UI
Connecter type	BNC 75Ω

### **Electric Index**

BNC 75Ω

Operating temperature range	0°C~+50°C
Voltage	0.5A@12VDC
Power	6W
EMI/RFI	FCC Part15 Class A,EU EMC standard

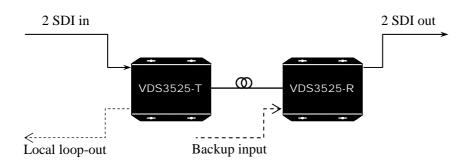
MTBF >100000 hours

### Optical

Wavelengths	1310 or 1550nn
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**



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