

10 bit digital video

Model: VDS2800-T VDS2800-R

Description

The VDS2800 model provides for the simultaneous transmission of 10bit digital encoding 8 video signal over one multimode or single mode optical fiber



CHANNEL AVAILABILITY

(Specify at time of order)	Forward Path	Reverse Path
Number of Video	0 to 8	
Number of Audio	0 to 8	0 to 8
Number of Data	0 to 3	0 to 3
Number of Ethernet	1	1

Features

- 8-channel video fiber optic transmitters and receivers
- 10 bit uncompressed digital video
- · Video input with AGC (Automatic gain control)
- 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
VDS2800-MT	1310/1310nm	MM	2Km
VDS2800-MR	1310/131011111	IVIIVI	ZNIII
VDS2800-MT	1310/1550nm	SM	20km
VDS2800-MR	1310/13301111	SIVI	(40/60/80 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

Video (8x)	
Video format	PAL/ NTSC/SECAN
Video Input	0.5 ~ 2Vpp
Video Output	1Vp-p
Bandwidth (-3 dB)	8 MHz
Encoding	10bit
Differential gain	≤1%
Differential phase	≤1°
SNR	≥63 dB
Connector type	BNC 75Ω

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

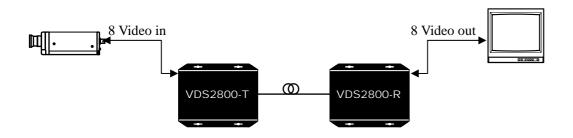
Optical

Wavelengths 1310/1550nm Fiber type SM/MM Budget (system) 12dB Output power $-5 \sim -10$ dBm

Output power $-5 \sim -10 \text{dBm}$ Receiver Sensitivity -24 dBmConnector 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



VADSYS Digital Technologies Co., Ltd.

Tel: +86 28 86181880 Fax: +86 28 85178620 www.vadsys.com vadsys@126.com

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