



Model: VDS21600-T VDS21600-R

## Description

The VDS21600 model provides for the simultaneous transmission of 16 video signals over one multimode or single mode optical fiber. The use of 10-bit video sampling provides extremely high video quality. 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	
Number of Audio	0 to 8	0 to 8
Number of Data	0 to 8	0 to 8
Number of Ethernet	1	1

### **Features**

- · 16-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

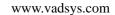
## **Ordering information**

Models	Wavelength	Fiber Type	MAX. Distance
VDS21600-MT	1310/1310nm	MM	2Km
VDS21600-MR	1310/131000	IVIIVI	25111
VDS21600-MT	20km 1310/1550nm SM	SM	20km
VDS21600-MR	1310/1550000	SIVI	(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.



# **Specifications**

## Video (X16)

PAL/ NTSC/SECAM
0.5 ~ 2Vpp
1Vp-p
8 MHz
10bit
≤1%
≤1°
≥63 dB
BNC 75Ω

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

to

#### Optical

Wavelengths	
Fiber type	;
Budget (system)	
Output power	-
Receiver Sensitivity	-
Connector type	I

1310/1550nm
SM/MM
12dB
–5 ~ –10dBm
-24dBm
FC (SC or ST optional)

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

## **System Design**

