



APPLICATIONS

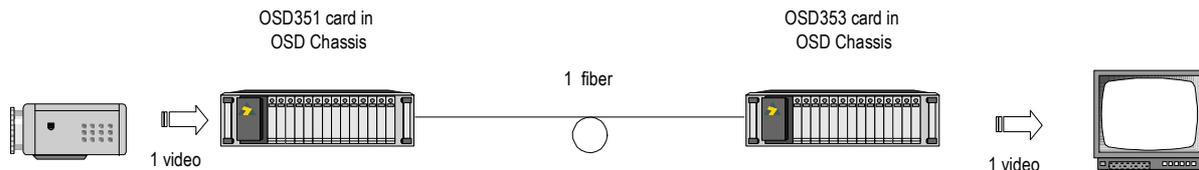
- ▲ Very high performance surveillance systems where high resolution or long transmission distances are required
- ▲ Industrial process monitoring
- ▲ Medical image transmission
- ▲ Multiple video trunks



FEATURES AND BENEFITS

- ▲ Bandwidth of 10MHz
- ▲ Extends wideband video transmission to over 5km
- ▲ Higher quality video than with coax or twisted pair
- ▲ Immune to electrical interference
- ▲ Complete end-to-end isolation
- ▲ Safe transmission in hazardous environments
- ▲ More secure than coaxial cable
- ▲ Provides many channels of transmission and/or reception in a compact 19" rack mounting configuration
- ▲ Compatible with most other OSD300 series video transmission products

TYPICAL APPLICATION DESIGN



ORDERING INFORMATION

- OSD351 Fiber Optic Video Transmitter Card
- OSD353 Fiber Optic Video Receiver Card
- Option L 1310nm Singlemode operation



SPECIFICATIONS

ELECTRICAL

Input/Output Impedance	75Ω
Input/Output Level	1 Vpp nominal
Receiver AGC Technique	Sync tips
Connector	BNC
Bandwidth	10Hz - 10MHz +1, -3dB
Weighted Signal to Noise Ratio	>50dB at -27dBm peak received optical power

OPTICAL

Transmitter Wavelength	850 ±40nm (1310 for OSD351L)
Transmitter Coupled power	-13 to -11dBm peak power into 62.5/125 multimode fiber -16 to -15dBm peak power into singlemode fiber (OSD351L only)
Transmitter Power Adjustment	5dB nominal, user selectable
Receiver Operating Wavelength	800 to 900nm (OSD353) 1200 to 1600nm (OSD353L)
Receiver Sensitivity	<-27dBm peak for 50dB SNR
Optical Link Budget	>14dB at 850nm for OSD351/OSD353 (>4km of multimode fiber) >11dB at 1310nm for OSD351L/OSD353L (>25km of singlemode fiber)
Receiver Saturation	>-17dBm peak
Optical Connectors	ST standard

PHYSICAL

	OSD351 Video Transmitter	OSD353 Video Receiver
Power Requirements	+12V @ 100mA	+12V @ 150mA
Dimensions (mm)	25W x 100H x 208D	25W x 100H x 208D
Weight	200g	200g
Indicators	TX Signal Present	RX Signal Present
Operating Temperature	-20 to +75°C	
Relative Humidity	0 to 95% non-condensing	
Chassis Current Consumption (CCC)	0.10 Amp	0.15 Amp