OSD361/OSD363 VIDEO TRANSMISSION PAIR

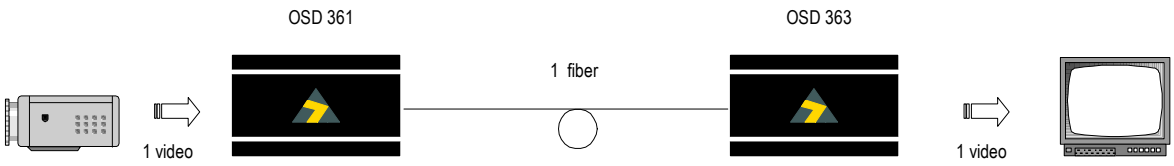
APPLICATIONS

- ▲ Short distance surveillance links
- ▲ Medical imaging
- ▲ Industrial process monitoring

FEATURES AND BENEFITS

- ▲ Extremely cost effective
- ▲ Bandwidth of 8MHz
- ▲ Extends wideband video transmission to over 3km
- ▲ Immune to electrical interference
- ▲ Complete end-to-end isolation
- ▲ Safe transmission in hazardous environments
- ▲ More secure than coaxial cable
- ▲ Small size, low cost, robust and reliable
- ▲ Compatible with most other OSD300 series video transmission products

TYPICAL APPLICATION DESIGN



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ORDERING INFORMATION

OSD361	Fiber Optic Video Transmitter Module
OSD363	Fiber Optic Video Receiver Module

OPTICAL SYSTEMS DESIGN PTY LTD 7/1 Vuko Pl. Warriewood N.S.W. Australia 2102
Telephone: + 61 2 9913 8540 Fax: +61 2 9913 8735 Website: www.osd.com.au E-mail: sales@osd.com.au

SPECIFICATIONS

ELECTRICAL

Input/Output Impedance	75Ω
Input/Output Levels	1Vpp nominal
Receiver Gain Control	Screwdriver adjust
Video Connector	BNC socket
Power Connector	2-pin power socket
Bandwidth	10Hz to 8MHz + 1, -3dB
Weighted Signal to Noise Ratio	>50dB at -27dBm peak received optical power

OPTICAL

Transmitter Wavelength	850 ± 40nm
Transmitter Coupled Power	-16 to -14dBm peak power into 62.5/125 multimode fiber
Receiver Operating Wavelength	800 to 900nm
Receiver Sensitivity	<-27dBm peak for 50dB SNR
Optical Link Budget	>11dB at 850nm (>3km of multimode fiber)
Receiver Saturation	>-17dBm peak
Optical Connectors	ST standard

PHYSICAL

	OSD361 Video Transmitter	**OSD363 Video Receiver**
Power Requirements	+9 to 18VDC, or 6 to 15VAC, 100mA max	+9 to 18VDC, or 6 to 15VAC, 100mA max
Enclosure	Strong metal case	Strong metal case
Dimensions (mm)	94D x 54W x 27H (excluding flanges and optical connectors)	94D x 54W x 27H
Weight	250g	250g
Indicators	Power On	Power On
Controls	None	Video Level Adjust
Operating Temperature	-20 to +75℃	-20 to +75℃
Relative	0 to 95% non-condensing	0 to 95% non-condensing

OSD361PP Power Pack

Mains Input	240VAC ±15%, moulded plug	
DC Output	+12VDC nominal, 400mA max	One 2-pin power plug on flying lead
Dimensions (mm)	52D x 26W x 92H	

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