OSD8815T/OSD8815R DIGITAL VIDEO TRANSMISSION MODEM PAIR

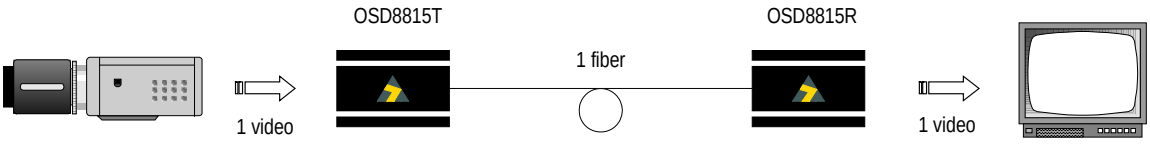
APPLICATIONS

- Very high performance surveillance systems where high resolution or long transmission distances are required
- Safe city CCTV system video transmission
- Transportation communication systems

FEATURES AND BENEFITS

- Bandwidth of 10MHz
- Operating range of at least 3km on multimode, 30km on singlemode with greater than 100km possible on singlemode with optional optical devices
- Performance is maintained at the same high quality over all link lengths
- Adjustment-free receiver operation
- Small size, low cost, robust and reliable
- Broadcast quality 10 bit video
- Available as a small standalone module or as a card which plugs into the OSD350 or OSD370 chassis

TYPICAL APPLICATION DESIGN



ORDERING INFORMATION

Option C	Module version	OSD8815PP	Power Pack, 240VAC/12VDC

SPECIFICATIONS

ELECTRICAL

Input/Output Impedance	75Ω
Input/Output Level	1Vpp nominal
Input/Output Interface	Composite
Video Connector	BNC
Power Connector	2-pin power socket
Bandwidth	5Hz to 10MHz ±1dB
Weighted Signal to Noise Ratio	>65dB at all receive levels over full dynamic range
Differential Gain	<0.7%
Differential Phase	<0.7°

OPTICAL

Transmitter Wavelength	1310nm
OSD8815T Transmitter Coupled Power	>-13dBm into multimode or singlemode fiber
OSD8815R Receiver Sensitivity	<-28dBm
OSD8815R Receiver Saturation	>-3dBm
Link Distances	>3km multimode (fiber bandwidth limited) >30km singlemode (fiber loss limited)
Optical Connector	ST standard, others optional

PHYSICAL

Dimensions of Module (mm)	60W x 94D x 26H
Weight of Module	200g
Dimensions of Card (mm)	25W x 208D x 100H
Weight of Card	200g
Power Requirements	+9 to 20VDC or 9 to 15VAC @ 200mA
Operating Temperature	-20 to 75°C
Relative Humidity	0 to 95% non-condensing
Indicators	Video Present Laser OK (OSD8815T only) Receive Signal OK (OSD8815R only)

OSD8815PP Power Pack

Mains input	90 to 264VAC ±15%, moulded plug
DC output	+12VDC nominal, 400mA max, One 2-pin power plug on flying lead
Dimensions (mm)	65D x 45W x 48H

Doc ID: 102881504

Specifications contained herein are correct at the time of printing. We reserve the right to alter specifications without notice.