

**APPLICATIONS**

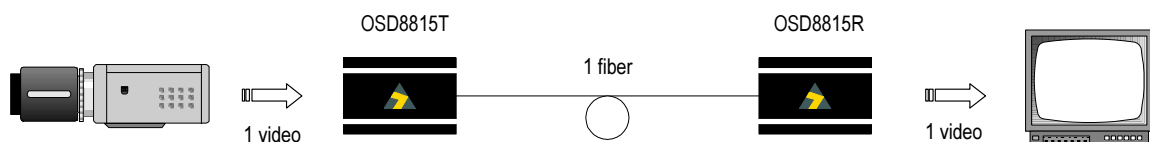
- ▲ Very high performance surveillance systems where high resolution or long transmission distances are required
- ▲ Safe city CCTV system video transmission
- ▲ Transportation communication systems



**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
- ▲ Two high quality audio channels are optionally available
- ▲ 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     |
| Option A | Two Audio Channels |



# SPECIFICATIONS

---

## ELECTRICAL

Input/Output Impedance	75Ω
Input/Output Level	1Vpp nominal
Input/Output Interface	Composite
Video Connector	BNC
Bandwidth	5Hz to 10MHz ±1dB
Weighted Video Signal to Noise Ratio	>65dB at all receive levels over full dynamic range
Weighted Video SNR with Audio Option	>63dB at all receive levels over full dynamic range
Differential Gain	<0.7%
Differential Phase	<0.7°

## OPTIONAL AUDIO CHANNELS

Number of Channels	2
Audio Bandwidth	10Hz to 20kHz +1,-3dB
Audio Input/Output impedance	>10KΩ/<200Ω
Audio Input Level	250mVrms nominal
Audio Output Level	250mVrms nominal
Audio Headroom	15dB
Audio Weighted Signal to Noise Ratio	>90dB at maximum level
Audio Distortion	<0.05%
Audio Connector	3.5mm stereo socket

## OPTICAL

Transmitter Wavelength	1310nm
OSD8815T Transmitter Coupled Power	-11 to -4dBm into multimode fiber -13 to -8dBm into 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 (contact OSD for details)

## 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 35VDC or 22 to 28VAC @ 3VA
Power Connector	2-pin power socket
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)