



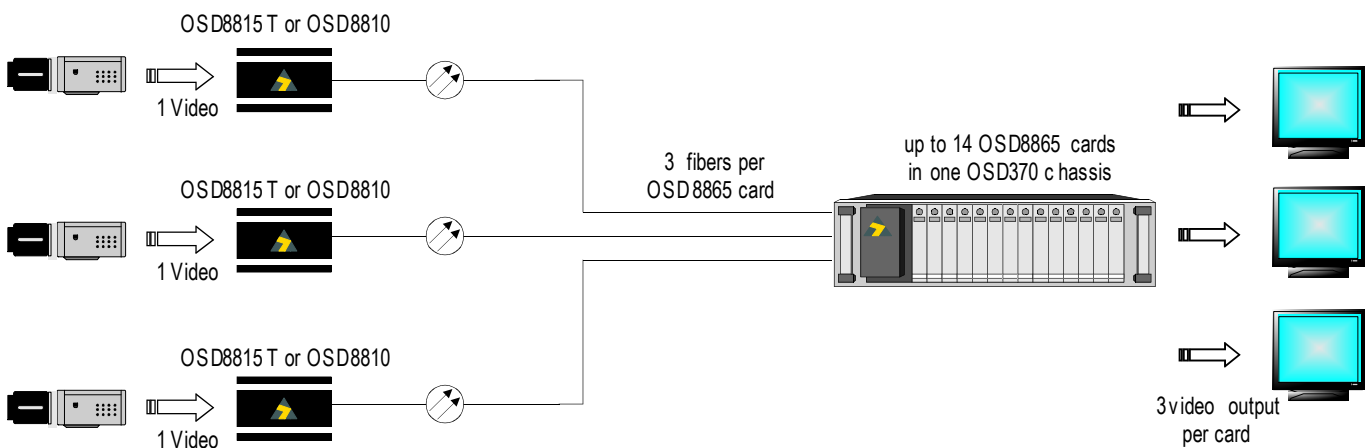
APPLICATIONS

- ▲ 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

- ▲ 3 video receivers built on one card
- ▲ Broadcast quality 10 bit video, bandwidth of 10MHz
- ▲ Works with the OSD8810 and OSD8815T over an 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
- ▲ Provide many channels of video reception in a compact 19" rack mounting configuration (usually in control room)

TYPICAL APPLICATION DESIGN



ORDERING INFORMATION

OSD8865 Multimode or singlemode triple digital video receiver card



SPECIFICATIONS

ELECTRICAL

Number of Channels	3
Output Impedance	75Ω□
Output Level	1Vpp nominal
Output Interface	Composite via BNC connector
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

Number of Fibers	3
Operating Wavelength	1250 - 1610nm
Receiver Sensitivity	<-28dBm
Receiver Saturation	>-3dBm
Link Distance when working with OSD8815T	>3km multimode (fiber bandwidth limited) >30km singlemode (fiber loss limited)
Optical Connector	ST standard, others optional

PHYSICAL

Dimensions of Card (mm)	25W x 208D x 100H
Weight of Card	200g
Power Requirements	+9 to +24VDC @ 5VA
Indicators	Video Present x 3 Receive Signal OK x 3
Operating Temperature	-20 to +75°C
Relative Humidity	0 to 95% non-condensing
Chassis Current Consumption (CCC)	0.40 Amp