

**10 bit encoded video VGA fiber converter**

**Model:**  
**VDS3740-T**  
**VDS3740-R**

**Description**

The VDS3740 VGA fiber converter provides for the simultaneous transmission of 1 PC VGA signal over 4-core multimode or single mode optical fiber



**Features**

- 1-channel PC VGA signal over 4-core optical fiber
- 10 bit digital encoded and uncompressed transmission
- For industrial Security Surveillance PC Video fiber transmission
- DVI and HDMI interface optional
- Low electrical power consumption and plug-and-play
- Power, Video Presence and Fiber Status Indicating LED's to Monitor System Performance
- Surface Mount Technology (SMT)
- Supports 1U and 4U 19" rack-mount chassis integration
- Industry standard connectors

**Ordering information**

Models	Wavelength	Fiber Type	MAX. Distance
VDS3740-MT VDS3740-MR	1310/1310nm	MM	1Km
VDS3740-MT VDS3740-MR	1310/1550nm	SM	4km

\*Optical transmission distance is limited to optical loss of the fiber and additional loss introduced by connectors, splices and patch panels. Distance can also be limited by fiber bandwidth. \*\*For 50/125 Fiber, subtract 4 dB from optical power budget.

## Specifications

### Video

Number of Channel	1
Video Spec	RGB with individual sync H & V
Video Input	1Vp-p
Video Output	1Vp-p
Bandwidth (-3 dB)	300 MHz
Bitewidth	10bit
Resolution	VGA 640x480 60、70、75、85Hz SVGA 800x600 60、70、75、85Hz XGA 1024x768 60、70、75、85Hz SXGA 1280x1024 60、70、75、85Hz UXGA 1600x1200 60Hz
Interface	HD-15 (DVI、HDMI optional)

### Mechanical

Stand-alone Dimensions (mm)	184L x 140W x 45H
Rack-mount Dimensions (mm)	260L x 173W x 40H
Stand-alone Weight (kg)	2.0
Rack-mount Weight (kg)	1.5

### Power/Environmental

Stand-alone power	5W
Rack-mount power	5W
Power adapter	220VAC to 12VDC/1A
Operating temperature	-40°C to +70°C
Relative humidity	< 95% (non-condensing)
MTBF	>100,000 Hrs

### Optical

Wavelengths	1310/1550nm
Fiber type	SM (MM optional)
Budget (system)	12dB
Output power	-5 ~ -10dBm
Receiver Sensitivity	-24dBm
Connector type	FC (SC or ST optional)