

VRXD-040-SMM/VRXD-040-RMM Fibre Optic Video Receiver With Bi-Directional Data channel

Product Features

- 8-Bit Uncompressed Digitally Encoded Video
- Single Video Channel and Bi-directional Data Channel over a Single Fibre
- One Bi-directional RS-485 or RS-422 channel
- **Multimode** Fibre Distance up to 2.5km
- Adjustment-free installation and operation
- Compatible with NTSC, PAL and SECAM Video standards
- LED indicators for system monitoring
- Wavelength Division Multiplexing (WDM)
- 5 year warranty



Digital Fibre Optic Video Receiver	VRXD-040-SMM	VRXD-040-RMM
Product Description	Single channel 8-bit uncompressed digital video receiver with data channel for Multimode applications	
Technical Specifications:		
Video		
Video output:	1 Volt p-p, 75 Ohm	
Bandwidth:	5Hz - 8MHz	
Encoding:	8-bit digital, uncompressed	
Differential gain:	< 2%	
Differential phase:	< 0.6°	
Tilt:	< 1%	
Signal to noise ratio:	60 dB	
Connector:	BNC	
Data		
Channel:	RS-485 or RS-422 (Bi-directional)	
Data rate:	300Kbps	
Bit Error Rate:	10 ⁻⁹	
Connector:	5-way removable screw terminal	
Optical		
Optical emitter:	Laser	
Optical output:	850/1310nm Multimode	
Output power:	-6 dBm; 2.5km Multimode	
Receiver Sensitivity:	-22 dBm; 2.5km Multimode	
Connector:	ST	
Number of fibres:	1	
General		
Power supply:	5Vdc 2A (external 220Vac PSU supplied)	5Vdc
Operating temperature:	-30°C to 65°C	
Operating humidity:	0% to 95%; non-condensing	
Dimensions (mm):	110 x 104 x 28	Cage card for VRX-RACK

Fibre	Wavelength	Transmitter		Receiver		Optical Power Budget	Maximum Distance
		Model	Output Power	Model	Sensitivity		
Multimode	850 / 1310nm	VTXD-040-SMM	-6 dBm	VRXD-040-SMM	-22 dBm	16 dB	2.5km