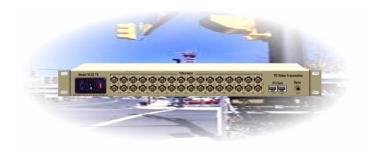


32 Channels High Quality Uncompressed CCTV Video (AV) with PTZ Data Over Fiber

CCTV Equipment Series

Model VL32D



Product Description

The VL32D is a reliable high quality low cost fiber optic uncompressed digital video Transmitter/Receiver for transmitting/receiving 32 channels of video, and receiving/transmitting 2 channels of data for controlling PTZ camera over one single mode or multimode fiber optic cable.

The VL32D uncompressed video is compatible with NTSC Medium Haul standards (RS-250C) and other video formats such as PAL, CCIR and C-Cam standards. The PTZ data is compliance with IEA Standard RS-232, RS-422 interfaces.

The VL32D series offers a fully digital 8 bits encoding/decoding of uncompressed real time video providing adjustment free operation over a wide operational range. Using AGC techniques for distances from back-to-back to 50 Kilometers, our digital signaling offers superior receiver output stability, which is unaffected by changes in fiber path attenuation due to aging or splicing points. The extended temperature capability of the VL32D satisfies very critical applications requiring high quality video performance with high reliability.

Applications include City and Highway Traffic Monitoring System, Metro & Railroad Monitoring System, Oil & Gas Pipeline Monitoring System, Airport Security System, High quality CCTV Surveillance, Homeland Security, Utility Management, Premise Networks, Military Hardened applications or anything requiring high quality video performance.

Features

- 32 Channels CCTV Video (AV)
- Real Time Digital Video Transmission
- 8 Bits Digital Encoding/Decoding
- NTSC Medium Haul Performance (RS-250C)
- International PAL Standards/ CCIR Formats
- PTZ Camera Data (EIA-RS-232/422)
- AGC Single Mode Transmission of 0 to 50 Km
- Extended Temperature Range

Applications

- City and Highway Monitoring
- Metro and Railroad Monitoring
- Oil & Gas Pipeline Monitoring
- Airport Security Systems
- Utility Systems
- Military Applications
- Premise Networks
- Any Digital HD Video Monitoring Requirement

Ordering Information

Model	Descriptions
VL32DT03 VL32DR03	32 Channels CCTV AV Video (Tx) with 2 PTZ Data Over Fiber, SM ST, 50Km, 120 VAC@0.5Amp 32 Channels CCTV AV Video (Rx) with 2 PTZ Data Over Fiber, SM ST, 50Km, 120 VAC@0.5Amp
	*** Please Consult Factory for Additional Model Numbers***



Technical Specifications

HDccTV Equipment Series

Model VL32D

System:				
Error Rate	1 in 10 ¹² or Better			
Indicators	PWR, Link			
Optical:				
Transmitter	Lasers			
Receiver	PIN			
Wavelength	1310/1550 nm			
Power Budget	20 dB @ SM			
Connector	ST, FC, SC			
Environment:				
Operating	-34° C to $+74^{\circ}$ C			
Storage	-40° C to + 95°C			
Humidity	98% Non-Condensing			
Physical:				
Dimensions	19" x 10" x 1.5"			
Weight	5 lbs			
Power:				
TX/RX	120 VAC @ .5 Amp			

Video Interface:			
Channel	32		
Format	NTSC, PAL, RS-250C, CCIR		
Signal Level	1 Vp-p		
Impedance	75 Ohms		
Video Digitization	8 Bits, 14 Mega Samples		
Bandwidth	8 Mhz		
Differential Gain	< 1.0%		
Differential Phase	< 0.6 ⁰		
Signal/Noise Ratio	> 65 dB (Weighted)		
Connector	BNC		
Data Interface:			
Channel	2		
Туре	PTZ Control		
Speed	DC to 115 Kbps		
Format	RS-232 / RS-422		
Connector	Terminal Block		

Application HDTV Monitor CCTV-PTZ DOME CAMERAS Video Video Video Video Video Video Video VL32DT Video Video Video ^^^^^ Video Video Video VL32DR Video Video Video Up to 40 Km SM Fiber Data Data Typical VL32DT& VL32DR **In Traffic Monitoring Application** PTZ Camera Controls Data Data