



Vi-Link

Fiber Optic Communications

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 | 32 Channels CCTV AV Video (Tx) with 2 PTZ Data Over Fiber, SM ST, 50Km, 120 VAC@0.5Amp |
| VL32DR03 | 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***



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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 ⁰ C to +74 ⁰ C |
| Storage | -40 ⁰ C to + 95 ⁰ 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 |
| Type | PTZ Control |
| Speed | DC to 115 Kbps |
| Format | RS-232 / RS-422 |
| Connector | Terminal Block |

Application

