



8-Channel Fiber Optic Video Digital Converter

Our Standard video transmitter/Audio/data transceiver and video receiver/Audio/data transceiver series utilizes uncompressed digital encoding and decoding for high-quality video transmission. These environmentally hardened units provide transmission of 4 independent video channel, 1 audio channel and 1 bi-directional data channel over one single-mode or multimode optical fiber and are ideal for use in unconditioned roadside or out-of-plant installations. The product is widely used in the field of CCTV, video surveillance, national defense, ITS and etc.

Feature

- Supports point-to-point connection
- Unpressed and undistorted digital broadcasting transmission
- Free from intermodulation interference from optical transceivers for simulated frequency, phase, and amplitude modulations
- Supports any high-resolution video signals
- Supports video nondestructive regenerated relay
- Auto compatible with PAL, NTSC, SECAM video systems
- Supports video, data, Ethernet, telephone voice parallel transmission
- KM optical transmission technology, large in capacity and easy for upgrade
- Transmission in monomode and multimode fiber, at a distance of 0 - 100KM
- Special ASIC design and high-speed DSP technology
- Advanced auto-negotiation technology, no need for adjustment during use
- Full SMT technology
- Industry standard design, with high reliability
- Wall hanging type, 1U rack type, 4U card type



Video Interface

Video I/O Impedance: BNC 75Ω non-balanced interface
 Video I/O Voltage: Typical Peak -1Vpp.
 Video Bandwidth: 8MHZ
 Video Digital Bid Width: 8/10 bits
 Differential Gain: <1%
 Differentia Phase: <1°
 Field Tilt: <0.5%
 SNR: >65dB
 Connectors: BNC

Data Interface

Physical Interface: RJ45 connector jack
 RS-232 Rate: DC-115.2Kbps
 RS-422/485 Rate: DC-1.2Mbps
 RS-422/485 Distance: 0 - 1200M
 RS-422/485 Protocol: Transparently supports random RS-485/422 protocol
 I/O Switching Value, Warning Data, and supports controlled relay output

Optical Interface

Physical Interface: FC/PC, ST/PC, and SC/PC
 Type of Fiber: Monomode/Multimode Fiber, Single /Double Fiber
 Transmission Distance: Multimode: 0-3km; singlemode: 0-25km, 0-60km, and 0-100km



8-Channel Fiber Optic Video Digital Converter

Ethernet Interface

Physical Interface : Shielded Super-type 5 RJ-45 Connector Jack
 Protocols Supported: IEEE 802.3 10M, 100M, and 10/100M auto-negotiation Ethernet
 Operating Mode : Full/Half Duplexing

Telephone Interface

Physical Interface: RJ-11 Connector Jack
 Voice Bandwidth: 8KHZ
 Operating Mode : Point-to-point hotline, program controlled switch/extension mode

Audio Interface

Audio I/O Impedance : 600Ω or other various impedances
 Audio I/O Electric Level : Typical 0dBm
 Frequency Response : 10HZ-20KHZ
 Audio Digital Bit Width : 24 bit
 SNR : >75dB

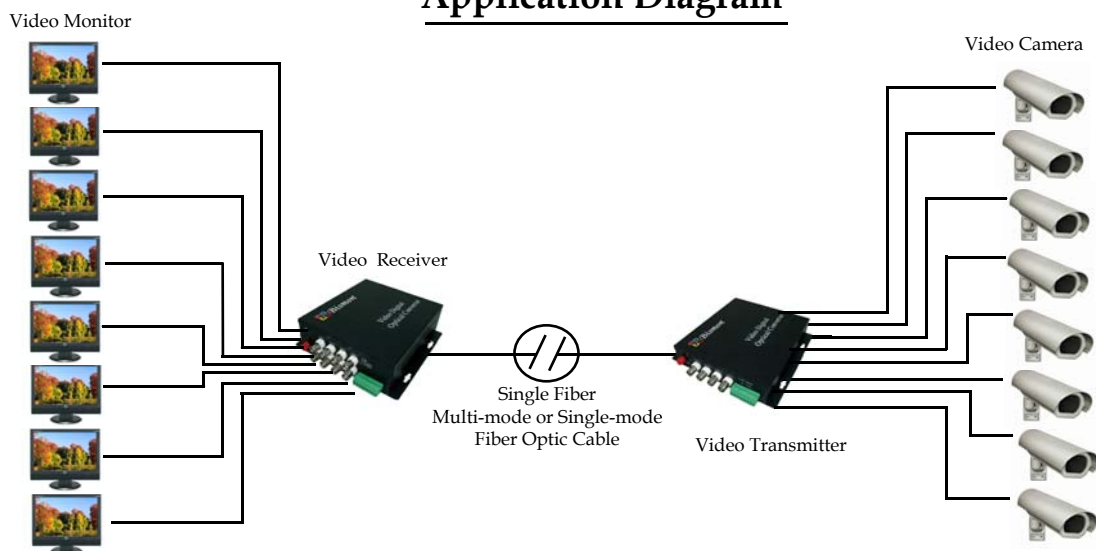
Application

- High Quality Video Conference
- CCTV with remote control for PTZ
- Interference resistant where data path through
- Public Security Surveillance
- Long distance video and data transmission
- Industrial process monitoring
- Traffic transportation monitoring

Environment

Operating Temperature -45?~85?
 Humidity 0~95% non-condensing
 Power Supply Voltage AC220V/50Hz

Application Diagram



Order Information

- | | |
|--------------|--|
| B1-S8V-TF | 8 Channel Video Transmitter |
| B1-S8V-RF | 8 Channel Video Receiver |
| B1-S8V1D3-TF | 8 Channel Video Forward Reverse Data Transmitter |
| B1-S8V1D3-RF | 8 Channel Video Forward Reverse Data Receiver |