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%
- Differential 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

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