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 8 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 transmis sion
- 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

Interface:	industrial connecting terminals
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

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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 Interfac

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 imped ances
Audio I/O Electric Level:	Typical 0dBm
Frequency Response:	10HZ-20KHZ
Audio Digital Bit Width:	24 bit
SNR:	>75dB

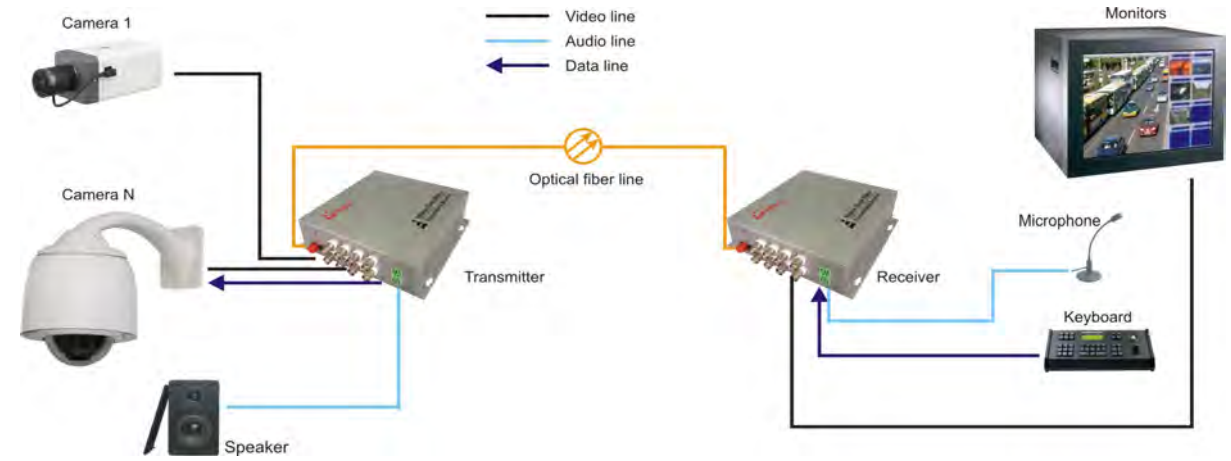
Application

- 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

OPT-S8V-TF	8Channel Video Transmitter
OPT-S8V-RF	8 Channel Video Receiver
OPT-S8V1D-TF	8 Channel Video Forward+1 Reverse Data Transmitter
OPT-S8V1D-RF	8 Channel Video Forward +1 Reverse Data Receiver