1-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 1 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 CTV, video surveillance, national defense, ITS and etc.

Features:

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 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, mini type.

Video Interface:

Video I/O Impedance: BNC 75Ω nonbalanced 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:a 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

Feature

Ethernet Interface:

Physical Interface: Shielded Super-type RJ-45 Connector Jack

Protocols Supported: IEEE 802.3 10M, 100M, and 10/100M autonegotiation 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

Operate Environment:

Operating Temperature: -45～85 degree

Humidity:　　0～95% non-condensing

Power Supply :Voltage AC220V/50Hz

Ordering Information:

T-S1V-T/RF	1CH Video↑, FC, 20km
T-S1V1D-T/RF	1CH Video↑ + 1CH Data↓, FC, 20km
T-S1V1A-T/RF	1CH Video↑ + 1CH Audio↑, FC, 20km
T-S1V1D1A-T/RF	1CH Video↑ + 1CH Data↓ + 1CH Audio↑, FC, 20km

Notice:

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