

Digital Non-Compressed Video Optical Multiplexer Series

Introduction:

- Converts 1/2/4/8 channels Video, single or Bi-directional, Audio, Data, Ethernet and Switch quantity signals into single or multimode fiber and realize real-time non-distortion, high-quality transmission

Features:

- Transmit video, audio and data signals in the same fiber
- High-quality video transmission
- High-quality bi-directional audio transmission
- Data interface: RS232 or RS485 at option
- SNMP network management
- Rack mount type, fully inserted of 15 functional cards, realizing unified network management (Receivers as local management equipments)
- Simple operating

Technical Specification:

Video

- Video Format: NTSC, PAL, SECAM
- Voltage: 1Vp-p, 75Ω
- Bandwidth: 7.5MHz, -1dB
- DG: ≤0.7%
- DP: ≤0.7 degree
- Video SNR: ≥65dB
- Code: 8 Bit PCM
- Sampling rate: 15MHz
- Connector: BNC

Data

- Data Connectors: 1`8 channels Bi-direction at option
- Connector: RJ45
- Data rate: 0`256kbps, selectable RS232, RS422, RS485



Audio

- Audio Connectors: 1`8 channels Bi-direction at option
- Input/Output Impedance: 10K unbalanced
- Max Input/Output Power: 3.5Vp-p
- Audio Distortion: ≤1%
- Audio SNR: ≥82dB
- Audio Coding: 8 Bit digital audio
- Sampling rate: 8k

Switch quantity

- Switch quantity connector: 1`8 channels single direction at option
- Voltage: ≤12W
- Current: ≤2A
- Power: ≤24W

Ethernet

- Data rate: 10/100Mbps, auto-negotiation
- Duplex: Full/Half Duplex, auto-negotiation
- Connectors: 4 switching mode Ethernet connectors
- Auto MDI/MDI-X
- Max of frame length: 1536

Fiber port

- Code type: 8B/10B
- Transmitter wavelength: 1310nm/1550nm at option
- Average power of transmitter: ≥-8dBm
- Receiver sensitivity: ≤-36dBm
- Activity domain of optical transceiver: ≥25dBm
- Fiber port: Dual/single fiber, FC/SC connector, transmission wavelength at option

Environment:

- Power: 180VAC`260VAC
- Power consumption: stand-alone <5W
- Slide-in-module <75W
- Operation temperature: 0°C`50°C
- Storage temperature: -40°C ` + 70°C
- No corrosive and solvent Gas, no fluty dust and intense magnetic field interface

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【Order Information】

MODE	DESCRIPTION
FT-V010101	1 Video + 1 Bi-dir Audio + 1 Bi-dir Data
FT-V020202	2 Video + 2 Bi-dir Audio + 2 Bi-dir Data
FT-V0404	4 Video + 4 Bi-dir Audio
FT-V040404	4 Video + 4 Bi-dir Audio + 4 Bi-dir Data
FT-V040404-T	4 Video + 4 Bi-dir Audio + 4 Bi-dir Data + 2 Phone
FT-V040404-T-W	4 Video + 4 Bi-dir Audio + 4 Bi-dir Data + 2 Phone + 1 Ethernet
FT-V0808	8 Video + 8 Bi-dir Audio
FT-V080804	8 Video + 8 Bi-dir Audio + 4 Bi-dir Data
FT-V080804-T	8 Video + 8 Bi-dir Audio + 4 Bi-dir Data + 2 Phone
FT-V080804-T-W	8 Video + 8 Bi-dir Audio + 4 Bi-dir Data + 2 Phone + 1 Ethernet