

32 Channel Video + Data/Alarm + Audio + Telephone + 100M Ethernet Series

Product Introduction

» The 32 Channel Video + Data/Alarm + Audio + Telephone + 100M Ethernet Series products adopt the most advanced international technology of digital video and optical fiber transmission, performing synchronous, undistorted, uncompressed and high quality signal transmission over all kinds of optical fiber.

» This Fiber Optical Transmitter & Receiver can be easily used in the normal operation by virtue of LED indication of working status, and without any electric or optical regulation on site. It can be installed independently or installed in 2U/4U rack.

Product Image



Features:

- ◆ Card-type or Stand-alone type for your choice; suitable for concentration management in 2U Racks
- ◆ 10 -digit coding and non-compression video transmission
- ◆ supporting any high -resolution video signal
- ◆ automatically compatible with PAL, NTSC and SECAM video format
- ◆ Supporting video intact regenerative relay, the video transmission can be reach above 200km
- ◆ Supporting advanced SNMP standards, realise long-distance web-controlling
- ◆ LED indication of power and other parameter status, monitoring real-time operation
- ◆ Modularized and industrialized design ensuring reliability and flexibility

Target Industries:

- ◆ Intelligent transportation supervisory system (ITS)



- ◆ High-speed Way supervisory/Tele-Communication System
- ◆ Security protection system, TV medical treatment
- ◆ Long-distance Multi-media Schooling, Campus monitoring
- ◆ Long-distance broadcast television transmission system
- ◆ High-building Security Protection, Military Tele-Com projects

Fiber Features:(the fiber optic connectors usually is FC, can order ST)

Type	wavelength (nm)	TX power dBm	Transmission Distance Km	Lose dBm/Km	Fiber Type
Multi-mode	850、1310	-19.5~-16	0~0.5	1	850/1310nm(Multi-mode)
Single-mode	1550DFB	-6~-2	0~20	0.5	Single-mode(9/125um)
	1550DFB	-3~-1	0~40	0.5	Single-mode (9/125um)
	1550APD	-1~0	0~60	0.25	Single-mode (9/125um)
	1550APD	0~+2	0~100	0.25	Single-mode (9/125um)

Video Feature:

Video Interface: BNC

Video input/output impedance: 75Ω (unbalanced)

Video input/output Voltage: 1VP - P (peak value),Max 1.2Vpp

Video Bandwidth: 10MHz

Video sampling: 15MHz high speed sampling

Video digit bit width: 10/12 bit

Differential gain: (10%-90%APL) DG <1%(Typical value)

Differential phase: (10%-90%APL) DP <0.8°(Typical value)

Video SNR: S/N ≥ 70dB (Maximum optical link path loss)

Audio Features:

Audio interface: Forward Direction, Reverse Direction or Bi-directional Audio

Interface terminal: standard industrial connecting terminals

Audio input/output electric level typical: 0dBm

Audio input/output impedance: 600Ω (balanced/unbalanced)

Audio input/output amplitude: 2VP-P(peak value)

Audio bandwidth: 20Hz~20kHz

Sample rate: 58.6K

Nonlinear distortion coefficient: ≤ 1 %

Audio SNR: S/N≥85db



Data Features:

Interface: standard industrial connecting terminals

Controlling Equipments: PTZ decoder, Keyboard ,data interface of Matrix, High speed dome camera, industrial equipments

Interface Signals: RS-485(2 lines),RS232,RS422 and so on

RS232

RS-232 data speed rate DC-115.2Kbps

RS-232 error of bit rate $\leq 10E-12$

RS-232 data agreement fully supporting all kinds of RS-232 agreement

RS-232 Network Connecting way Bi-directional RS-232,supporting point to point

RS485/RS422

RS-485/RS422 data speed rate DC-250Kbps

RS-485/RS422 error of bit rate $\leq 10E-12$

RS-485/RS422 Max node number: 128

RS-485/RS422Max distances: 1200meter

RS-485/RS422 data agreement fully supporting all kinds of RS-485/RS-422 agreement, including the Modbus agreements

RS-485/RS422 Network Connecting way Supporting forward, reverse and bi-directional

RS-485/RS422, support point to point, support point to more points

Alarm Features:

Interface: standard industrial connecting terminals (Alarm, Switch, Remote control)

Alarm/switch input signals: any active or passive alarm/switch input, supporting passive switch

Alarm/switch output signals: any active or passive alarm/switch output, supporting relay contact output

Current: Low current, High-current and high-voltage can use above 1A/12V

Features with the Telephone/Switch

Audio Bandwidth:8KHz

Way of encoding and decoding:PCM

Signal and order controlling:Supporting any kind of signals and orders

Communication Terminals supported by the interface;normal telephone and group telephone,PBX,PSTN

Way of connecting:point to point (telephone to telephone or telephone to switch)

Ethernet Features

Interface Speed Rate: 10/100Mbit/s Auto-adaptation, the default is 100MBPS working condition

Interface Type: RJ-45

Supporting Agreements: IEEE802.3U 100Base-TX, 10/100M

Communication Working format: Full-duplex or half-duplex



General Parameter:

Operating Temperature: -40 °C~+85 °C

Storage Temperature: -45 °C~+95 °C

Relative humidity: 0~95% (Non-condensing)

Power Voltage: AC85-260v/50Hz

MTBF: $\geq 10^5$ hours

Power supplier: 20W Input:DC5V 6000mA

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