

Paving The Light Transmission In Communication



Video Multiplexer

Features :

- ◆ Card-type or Stand-alone type for your choice
- ◆ 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
- ◆ Supporting advanced SNMP standards, realize long-distance web-controlling
- ◆ LED indication of power and other parameter status, monitoring real-time operation
- ◆ Modularized and industrialized design ensuring reliability and flexibility



Optical Fiber Features:

Type	Interface	wavelength (nm)	TX power dBm	RX sensitivity dBm	Optical saturation dB	Transmission Distance (Km)	Max power dbm	Lose dBm/Km	Fiber Type FC/PC · ST/PC · SC/PC
Multi-mode	FC	850 · 1310	-19.5~-13	-36	-9	0~5	12	1	850/1310nm (Multi-mode)
Single-mode	FC	1310	-15~-10	-34	-8	0~20	20	0.5	Single-mode (9/125um)
	FC	1310	-12~-5	-36	-3	0~40	25	0.5	Single-mode (9/125um)
	FC	1310	-10~-5	-38	-3	0~60	25	0.25	Single-mode (9/125um)
	FC	1310DFB	-5~0	-38	+2	0~100	30	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)
- Video Bandwidth: 5-10MHz
- Frequency response: <2dB
- Video sampling: 15MHz high speed sampling
- Differential gain: (10%-90%APL) DG <1% (Typical value)
- Differential phase: (10%-90%APL) DP <0.7° (Typical value)
- Video SNR: S/N ≥ 70dB (Maximum optical link path loss)

Audio Feature:

- 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/RS422 Max 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

Application Feature :

The Max-transmission Distance: 100KM

Video : Realize the 1 Channel Long distance transmission

General Parameter:

Operating Temperature: $-40\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$

Storage Temperature: $-45\text{ }^{\circ}\text{C} \sim +95\text{ }^{\circ}\text{C}$

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

Stand-alone and card types are available

Power Voltage: AC850-260v/50Hz , Internal power supply : DC5V

MTBF : $\geq 10^5$ hours

Power supplier : 2.5 w (Input:DC5V 1000mA)