1 Channel Fiber Optic Video Transceiver

Features

1 Channel digital video and data transfer over single fiber
Mini body, ultra slim design
8 Bit uncompressed video transmission
24 bit audio signal sampling
NTSC,PAL,SECAM
Support RS485,RS232 data protocol
No EMI, RFI, Cross Talk, and Ground Loop
Surface Mount Technology
Standalone or rack mount

Applications

Intelligent transportation system（ITS）
TV medical treatment
Long-distance Muti-media Schooling, Campus monitoring
Long-distance broadcast television transmission system

Specifications

Video
Input Channel: 1
Input: 1V p-p (75 ohm)
Connecter: BNC
SNR: ≧70 dB
Bandwidth:5MHz-8MHz
Distortion:DG<1%,DP<0.7°

Audio
Input Impedance: 600 Ohm
Input/Output Level: 0dBm (Typical)
Frequency Response: 20Hz-20KHz
Bit Resolution: 24 bit

Data
Interface: RS485 or RS232
Connector: Industry Terminal Block

Optical
Connector: FC
Wavelength: 850 nm/ 1300nm for Multimode
1310nm/1550nm for Single mode
Bit Rate Error: 10-9
Power Supply: AC 100-260V 50-60Hz, DC 12V, 5V 1-2A to your optional
Operating Temperature: 0° C to + 50°C
Storage Temperature: - 40° C to + 75°C
Humidity: 5%-95% Non-Condensing
Size: 116mm(L) x 111mm(W) x 25mm(H)

Order Information

1 Channel Video + 1 Channel reverse Data, SM、FC	0-20KM
1 Channel Video + 1 Channel reverse Data, SM、FC	0-40KM
1 Channel Video + 1 Channel reverse Data, SM、FC	0-60KM

2 Channel Fiber Optic Video Transceiver

Features

Card insertion type or independent structure suitable for concentration management of 2 U racks
10 -digit coding and non-compression video transmission
Supporting any high -resolution video signal
SHz-10MHz video channel
Automatically compatible with PAL, NTSC and SECAM video mode
With APC circuit, constant output optical power and wide dynamic range
Large capacity of gigabit optical fiber transmission allowing of easy upgrade
LED with indication of power and other parameter status, allowing of monitoring system operation
Supporting video intact regenerative relay
Advanced adaptive technology avoiding on-site electric or optical regulation
Modularized and industrialized design ensuring reliability and flexibility
Capable of auto resumption of power fuse
Featuring built -in power supply and unique designed housing
Interior power consumption: 2.5 w（Input:AC140 ~ 260V）

Specifications

Video

Channel	2
Connector	BNC
Input/output impedance	75 Ω (unbalanced)
Input/output amplitude	1VP - P (peak value)
Bandwidth	8MHz
Differential gain	(10%-90%APL) DG <0.5% (typical value)
Differential phase	(10%-90%APL) DP <0.4°(typical value)
Video SNR	S/N ≥ 70dB （maximum optical link path loss）

Data

Channel	1 reverse
Interface terminal	RJ-45
Interface signal	RS-232、RS-422(full duplex)、RS-485 (2/4 wiring system)
Bit rate	0～256Kbps
Error bit rate	≤10-9

Optical

Connector: FC
Wavelength: 850 nm/ 1300nm for Multimode
1310nm/1550nm for Single mode

Environmental

Operating temperature	-30oC～+75oC
Storage temperature	-40oC～+85oC
Relative humidity	0-95% Non-Condensing
Power voltage	AC220V/50Hz
MTBF	≧105 hours

Order Information

2 Channel Video + 1 Channel reverse Data, SM、FC	0-20KM
2 Channel Video + 1 Channel reverse Data, SM、FC	0-40KM
2 Channel Video + 1 Channel reverse Data, SM、FC	0-60KM

4 Channel Fiber Optic Video Transceiver

Features

Card insertion type or independent structure suitable for concentration management of 4 U racks
10 -digit coding and non-compression video transmission
Supporting any high -resolution video signal
SHz-10MHz video channel
Automatically compatible with PAL, NTSC and SECAM video mode
With APC circuit, constant output optical power and wide dynamic range
Large capacity of gigabit optical fiber transmission allowing of easy upgrade
LED with indication of power and other parameter status, allowing of monitoring system operation
Supporting video intact regenerative relay
Advanced adaptive technology avoiding on-site electric or optical regulation
Modularized and industrialized design ensuring reliability and flexibility
Capable of auto resumption of power fuse
Featuring built -in power supply and unique designed housing
Interior power consumption: 2.5 w（Input:AC140 ~ 260V）

Specifications

Video

Channel	4
Connector	BNC
Input/output impedance	75 Ω (unbalanced)
Input/output amplitude	1VP - P (peak value)
Bandwidth	8MHz
Differential gain	（10%-90%APL） DG <0.5% (typical value)
Differential phase	（10%-90%APL） DP <0.4°(typical value)
Video SNR	S/N ≥ 70dB （maximum optical link path loss）

Data

Channel	1 Reverse
Interface terminal	RJ-45
Interface signal	RS-232、RS-422(full duplex)、RS-485 (2/4 wiring system)
Bit rate	0～256Kbps
Error bit rate	≤10-9

Audio

Channel	1
Interface terminal	RJ-45
Input/output impedance	600Ω(unbalanced/balanced)
Input/output amplitude	2 VP - P (peak value)
Bandwidth	20Hz～20kHz
Nonlinear distortion coefficient	≤ 1 %
Audio SNR	S/N≥85dB

Optical
Connector: FC
Wavelength: 850 nm/ 1300nm for Multimode
1310nm/1550nm for Single mode

Optical

Connector: FC
Wavelength: 850 nm/ 1300nm for Multimode
1310nm/1550nm for Single mode

Environmental

Operating temperature	-30oC～+75oC
Storage temperature	-40oC～+85oC

Relative humidity	0-95% Non-Condensing
Power voltage	AC220V/50Hz
MTBF	≧105 hours

4Channel Video + 1 Channel reverse Data+ 1 CH Bi-direction Audio, SM、FC. 20KM/40KM/60KM optional.

Order Information

4Channel Video + 1 Channel reverse Data+ 1 CH Bi-direction Audio, SM、FC	0-20KM
4 Channel Video + 1 Channel reverse Data+1CH Bi-direction Audio, SM、FC	0-40KM
4 Channel Video + 1 Channel reverse Data+1CH Bi-direction Audio, SM、FC	0-60KM

8 Channel Fiber Optic Video Transceiver

Features

Card insertion type or independent structure suitable for concentration management of 4 U racks
10 -digit coding and non-compression video transmission
Supporting any high -resolution video signal
SHz-10MHz video channel
Automatically compatible with PAL, NTSC and SECAM video mode
With APC circuit, constant output optical power and wide dynamic range
Large capacity of gigabit optical fiber transmission allowing of easy upgrade
LED with indication of power and other parameter status, allowing of monitoring system operation
Supporting video intact regenerative relay
Advanced adaptive technology avoiding on-site electric or optical regulation
Modularized and industrialized design ensuring reliability and flexibility
Capable of auto resumption of power fuse

Specifications

Video

Channel	8
Connector	BNC
Input/output impedance	75 Ω (unbalanced)
Input/output amplitude	1VP - P (peak value)
Bandwidth	8MHz
Differential gain	（10%-90%APL） DG <0.5% (typical value)
Differential phase	（10%-90%APL） DP <0.4°(typical value)
Video SNR	S/N ≥ 70dB （maximum optical link path loss）

Data

Channel	1 Reverse
Interface terminal	RJ-45
Interface signal	RS-232、RS-422(full duplex)、RS-485 (2/4 wiring system)
Bit rate	0～256Kbps
Error bit rate	≤10-9

Optical

Connector: FC
Wavelength: 850 nm/ 1300nm for Multimode
1310nm/1550nm for Single mode

Environmental

Operating temperature	-30oC～+75oC
Storage temperature	-40oC～+85oC
Relative humidity	0-95% Non-Condensing
Power voltage	AC220V/50Hz
MTBF	≧105 hours

Order Information

8 Channel Video + 1 Channel reverse Data, SM、FC	0-20KM

8 Channel Video + 1 Channel reverse Data, SM、FC	0-40KM
8 Channel Video + 1 Channel reverse Data, SM、FC	0-60KM

16 Channel Fiber Optic Video Transceiver

Features

Card insertion type or independent structure suitable for concentration management of 4 U racks
10 -digit coding and non-compression video transmission
Supporting any high -resolution video signal
SHz-10MHz video channel
Automatically compatible with PAL, NTSC and SECAM video mode
With APC circuit, constant output optical power and wide dynamic range
Large capacity of gigabit optical fiber transmission allowing of easy upgrade
LED with indication of power and other parameter status, allowing of monitoring system operation
Supporting video intact regenerative relay
Advanced adaptive technology avoiding on-site electric or optical regulation
Modularized and industrialized design ensuring reliability and flexibility
Capable of auto resumption of power fuse

Specifications

Video

Channel	16
Connector	BNC
Input/output impedance	75 Ω (unbalanced)
Input/output amplitude	1VP - P (peak value)
Bandwidth	8MHz
Differential gain	（10%-90%APL） DG <0.5% (typical value)
Differential phase	（10%-90%APL） DP <0.4°(typical value)
Video SNR	S/N ≥ 70dB （maximum optical link path loss）

Data

Channel	1 Reverse
Interface terminal	RJ-45
Interface signal	RS-232、RS-422(full duplex)、RS-485 (2/4 wiring system)
Bit rate	0～256Kbps
Error bit rate	≤10-9

Optical

Connector: FC
Wavelength: 850 nm/ 1300nm for Multimode
1310nm/1550nm for Single mode

Environmental

Operating temperature	-30oC～+75oC
Storage temperature	-40oC～+85oC
Relative humidity	0-95% Non-Condensing
Power voltage	AC220V/50Hz
MTBF	≧105 hours

Order Information

16 Channel Video + 1 Channel reverse Data, SM、FC	0-20KM
16 Channel Video + 1 Channel reverse Data, SM、FC	0-40KM
1 6Channel Video + 1 Channel reverse Data, SM、FC	0-60KM