Overview

Our main product, digital fiber optic video transmitter can simultaneously transmit 1-128 channels of 8-bit or 10-bit digitally encoded video/return or bidirectional data/unidirectional or bidirectional audio / Ethernet / Telephone / binary input/output over one multimode or single-mode optical fiber. These multiplexers are typically used in applications where the cameras have



P/T/Z capabilities. Plug and Play design ensures the ease of installation and operation. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment.

Features

- 8-bit or 10-bit digitally encoded and non-compression video transmission
- Directly compatible with NTSC, PAL, and SECAM CCTV camera systems and support RS-232, RS-422, and RS-485 data protocols
- Power supply and other parameter state indication, which can monitor the operation condition of system
- Support no-damage regenerative trunk of video
- Constant input optical power, and large dynamic range, no electrical or optical adjustments required.
- Special ASIC design.
- Industry-grade of operating temperature from -10c to 75c, which is applied to the different working environment
- Hot-swap function
- Stand-alone type or card-type installed in 19" 2U or 4U rack-mount chassis.
- Optical interface: FC,ST, SC (optional)
- Abundant signal interface, such as video, data, audio, telephone, Ethernet, binary input/output and talkback
- Max range 80km

Application

- City traffic monitoring system
- Police and safe city monitoring system
- High way security protection and toll station system
- Building and campus monitoring system
- Industrial monitoring(airport, chemical plant, steel, oil, railway, irrigation works, mine and so on)
- Military monitoring(storage, frontier defense, guard, national defense and so on)
- Electronic power oil field, TV station program broadcasting system
- Gymnasium(live video and audio transmission)

Specifications

1 Channel Video	Product Data sheet	VER0.1/2-8-2010
Opitcal		
Wavelength	1310nm&1470nm~1610nm	
Output Power	-10~-3dBm / -3~+2dBm	
Optic fiber	50/125u multimode 62.5/125u multimode 9/	125u single mode
Rx sensitivity	-25dBm	
Optical connector	FC ST (optional)	
Distance	0~2KM (MM) / 0~80KM	(SM)
Video		
Number of Channels	1	
Input/output impedance	BNC 75Ω (unbalance)	
Video bandwidth	5HZ~8MHZ	
Standard video	1.0Vp-p	
input/output voltage	0.6.2.0	
Video voltage range	0.6~2.0Vp-p	
Differential Gain	< ±1.5%	
Differential Phase	< ±1%	•
SNR	>60dB (8 bit) / >70dB (10 b	oit)
Connector	BNC	
Audio		
Input/output Impedance	600ohm(unbalance)	_
Max input/output voltage	3.0Vp-p	
Frequency Response	10 Hz-20kHz @±3dB	
SNR	> 70dB	
Connector	Standard terminal lead	
Data		
Data protocol	RS232 RS422 RS485 Manchester, BII	PHASE data
Data rate	0~200 Kbps	
Error rate	< 10 ⁻⁹	
Connector	Standard terminal lead	
Ethernet		
Work mode	Full duplex/half duplex	
Data Rate	10/100Mbps(AUTO)	
connection terminal	RJ45	
Telephone		
Connector	Standard RJ11	
Phonetic bandwidth	8KHz	
Work mode	Point to point hot line, program controlling swi	itch/extension mode
Distortion	<1%	

Connector	Standard terminal lead
Signal input	Alarm, Binary input, support TTL, RS-232/422/485 or passive

Binary input/Output

Digital Fiber Optic Video Transceivers

1 Channel Video Product Data sheet VER0.1/2-8-2010

	switch button
Signal output	Arbitrary alarm, Binary output, support TTL, RS-232/422/485 or
	relay output

Total Weight: 1kg/pair (with power and package)

Size: 85*52*22

Operating Voltage: DC 5V (we will offer external power supply from AC100-240V to DC 5V

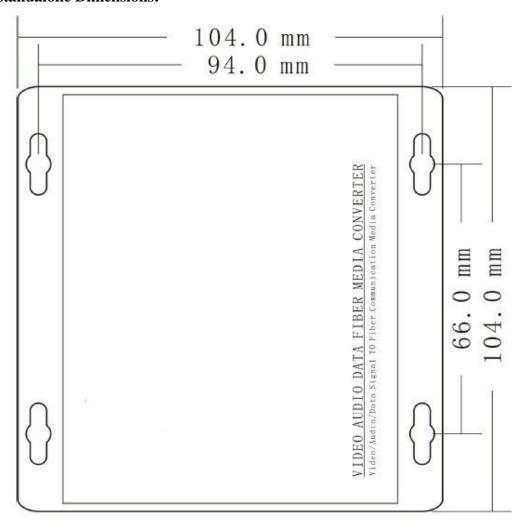
for each unit)

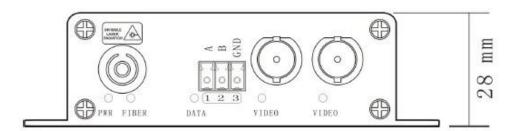
Operating Temperature : -10°C~+75°C **Storing Temperature :** -40°C~+85°C **Humidity:** 0~95% Non-condensing

MTBF: \geq 100000Hours

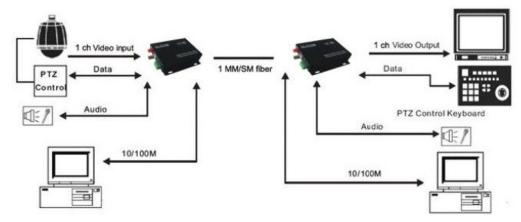
Warranty: 3 years

Standalone Dimensions:





System design:



Ordering information

