

Video Fiber Converter



VF-S08-2A2D Series are significantly designed for fiber optics seamless transmission over long distance. With the main application on security surveillance under ordinary residence houses, manufacturing factories, airports and highways. Having broadband fiber interface which supports long range video transmission without compression. VF-S08-2A2D transmit 8 channel video 2 channel audio and max.2 channel data by single fiber. According instruction application, Ace Plus provide standalone and rack module. Rack module support hot swapping. Optical port provide SC, ST, FC for Option

Features

- Bi-direction audio and data transmission
- Dry Contact I/O Function (Option)
- Dual Power Module Input
- Max. 80Km Transmission for SMF
- Support PAL \ NTSC \ SECAM Frame
- High Cross Talk, Anti-jamming
- Low Noise \ Low Bit Error
- MTBF > 10⁵ hrs

Applications

- High Resolution and Long Distance Transmission Surveillance System
- Broadcasting and Video Transmission
- Industry Control System
- Medical Video Transmission
- Highway Surveillance System
- Parking Station Surveillance System
- Military Camp \ Ammunition Security
- Power Plant Surveillance System

Optical Specification

Fiber Type	MMF		SMF		
	0.55KM	20KM	40KM	60KM	80KM
Transmission	850	1310	1310	1550(DFB)	1550(DFB)
Wavelength(nm)	-9.5	-11	-5	-3	0
Min. TX Power(dBm)	-4	-3	-1	1	3
Max. TX Power(dBm)	-17	-21	-23	-23	-25
PD Sensivity(dBm)					

Performance Specification
Video

Video Protocol	PAL 、 NTSC 、 SECAM	
Video Bandwidth	8MHz	
Video Input	75Ω unbalanced	
Video Input Level	NTSC: 1.0 V _{P-P}	PAL: 1.3 V _{P-P}
Video Resolution	8 Bit	
DG(Differential Gain)	< 1.0 %	
DP(Differential Phase)	< 1.0°	
SNR(Signal Noise Rate)	> 56 dB	

Audio

Audio I/O Levels	0dBm ± 6dBm
Audio Output	Unbalanced
Sampling Frequency	52.3 KHz
Audio Resolution	24 Bit
SNR(Signal Noise Rate)	> 65 dB (0dBm 600ΩLoad)

Data

Signal	RS-485 、 RS422 、 RS232
Protocol	Full / Half Duplex 2/4 Wire
Transmission Speed	128 Kbps
Bit Error Rate	10 ⁻⁹

Optical

Fiber Connector	SC 、 ST 、 FC 、 Bi-Di
Fiber Type	MMF: 50/125 62.5/125 SMF: 9/125

Physical

LED indicators	Power 、 Video 、 Optical 、 Signal 、 Data
Power	DC 5V 2A / DC 12V 2A
Operating Temperature	-30 °C ~ 75 °C
Humidity	0 ~ 95% (Non-condensing)
Dimension(D x W x H)	160 x 153 x 46 mm
Weight(Kg)	0.52
MTBF	> 10 ⁵ Hours