

PRUODOCT OVERVIEW

The video (+Reverse Data) optical converter adopt the advanced international digital video and optical fiber transmission technology, and implement the transmission of real-time & synchronization, no-distortion and high quality to multi-channel video signal on the single-core optical fiber. Video digital optical converter adopt full digital video non-compression transmission technology and high quality video effect, which can meet the user's requirement. The plug-and-play design makes the installation more convenient and easier, the LED design helps the user to know the working status easily, and it is unnecessary to implement the spot adjustment, its optical module and core circuit adopt the imported components that have high stability, conform to the international standards, which is applied to the different working environment.

PRODUCT CHARACTERISTICS

- . 10-bit digital code and non-compression type video transmission
- . Support any high-resolution video signal
- . Automatic compatible PAL, NTSC and SECAM video system
- . 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, and it is unnecessary to implement the adjustment of spot electricities or optics when using
- . Special ASIC design
- . Industry-grade of operating temperature from -20°C to 75°C, which is applied to the different working environment.
- . Hot-swap function
- . Can be installed in 19 inches rack-mounted chassis(4U)

APPLICATIONS

1. Intelligent transportation system
2. Connection of sub-network for surveillance center
3. Public security surveillance
4. High way& toll station surveillance
5. High quality video conference
6. Industrial closed circuit television surveillance
7. Coliseum using for TV-live, audio transmission

TECHNOLOGY CHARACTERISTICS

OPTICAL CHARACTERISTICS

Fiber connector	FC /ST
Transmission distance	550M-80Km
Wavelength	1310/1550nm

VIDEO CHAACTERISTICS

Video interface form	BNC
Video input/output impedance	75Ω
Video input/output voltage	1V pp(typical value) 1.5V pp(max value)
Bandwidth of video	5HZ—7.5MHZ
Automatic compatible video system	PAL SECAM NTSC
Differential gain	(10%-90%APL) DG<1%(typical value)
Differential phase	(10%-90%APL) DP<0.7%(typical value)
Weighted signal-to-noise ratio	S/N≥70dB

DATA CHARACTERISTICS

Interface port	Standard terminal lead
Interface signal type	RS-232/RS-422/RS-485/manchester
Code rate	0-400Kbps
BER	≤10 ⁻⁹

OTHER NORMAL CHARACTEISTICS

OPERATING TEMPERATURE	-20°C to 75°C
Huidity	0-95% non-condensing
Operating voltage	DC 5V/2A
MTBF	≥10 ⁵ hours