

AOV-4V 4 Channel Video Optical Converter

Overview

AOA series video Digital 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 video effect, which can meet the user's requirement; the play-and-plug design makes the installation more convenient and easier, and it is unnecessary to implement the spot adjustment.

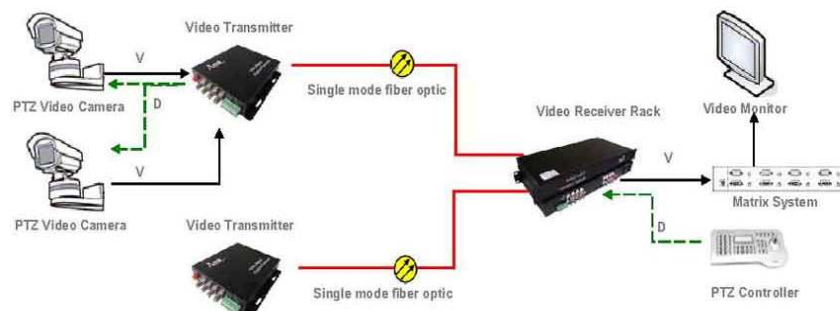


Its optical module and core circuit adopt the imported components that have high stability, and all optical & electrical interfaces conform to the international standards, which is applied to the different working environment. This optical transceiver with video status indication can monitor the normal operation of system.

Features

- Card type or independent structure, which is applied to centralized management 4U framework
- 8-bit digital code and non-compression type video transmission
- Support any high-resolution video signal
- 5Hz-10MHz video channel
- Automatic compatible PAL, NTSC and SECAM video system
- With APC circuit, constant input optical power, and large dynamic range
- Kilomega optical fiber transmission, large capacity, and easy to upgrade
- Power supply and other parameter state indication, which can monitor the operation condition of system
- Support no-damage regenerative trunk of video
- Advanced self-adapting technology, and it is unnecessary to implement the adjustment of spot electrics or optics when using
- Industry-grade design and modularization design make the equipment reliable and flexible
- Can automatically restore the fuse of power supply
- Full built-in power supply, and the appearance design of shell is unique.

Application



Technical Indexes

Video Optical Converter

Parameter	Specifications
Video	
Video interface number	4 channel video
Bandwidth of video	8MHz
Video input & output impedance	75 Ω (imbalance), BNC
Video input & output voltage	1VP - P
Differential gain	1%
Differential phase	1°
Weighted signal-to-noise ratio	S/N ≥ 67dB
Audio	
Connector	Terminal Blocks
Audio input/output impedance	600Ω (Balance/unbalance)
Audio input/output voltage	2Vp-p (typical value)
Audio input/output level	0dBm (typical value)
Video bandwidth	10HZ~12KHZ
Audio digital encoded bandwidth	24bit
Audio signal-to-noise ratio	S/N ≥ 95dB (weighted)
Data	
Physical interface	The industry standard connecting terminal
Interface Signal	RS485/RS422/RS232/Manchester
Code rat	0-400Kbps
BER	< 10 ⁻⁹
Telephone	
Connector	RJ11
Bandwidth	8KHZ
Features	Support call-showing function; support H-F
Operating mode	Point to point hotline mode / FXS-FXO
Ethernet	
Connector	RJ45
Support mode	Half duplex or Full duplex
Standards	IEEE802.3
Data rate	10/100Mbps
Bandwidth	25M
Optical	
Connector	FC/ST (optional)
Fiber type	single-mode fiber, single fiber
Transmission distance	single mode 20Km
Environmental demand	

environmental temperature	-30℃~+75℃
Storage environment	-40℃~+85℃
Relative humidity	0-95% (no condensation)
Power supply voltage	AC220V/50Hz

Order Information

Model	Product description
AOV-4V	4 channel Video ↑ , SM, single fiber, 20km
AOV-4V1BD	4 channel Video ↑ + 1 channel backward Data ↓ , SM, single fiber, 20km
AOV-4V4FA1E	4 channel Video ↑ + 4 channel forward Audio ↑ + Ethernet, SM, single fiber, 20km

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