

AOV-4V1RD 4 Channel Video Optical Converter

Overview

AOV-4V1RD series simple-type **video optic converter** support 8-bit digitally encoded broadcast quality video over one multimode or single mode optical fiber. The modules are directly compatible with NTSC, PAL, and SECAM camera systems



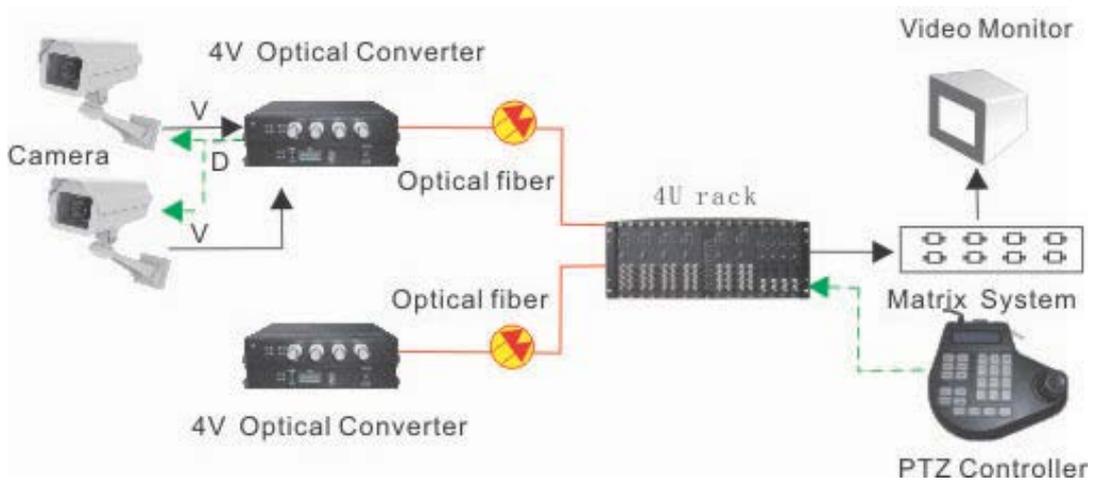
AOV-4V1RD series simple-type **video fiber converter** are typically used in application with fixed camera, ST/SC/FC optical connector are optional.

Features

- 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
- LED indicators are provided to instantly monitor the system operating status
- 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

Application

- Intelligence Traffic Monitor system (ITS)
- Metro/High-speed way monitor system
- Electric power/ hydraulic Safety Monitor system
- Industrial mining enterprises Security System
- Long-distance multimedia teaching/ Campus Security
- CATV long-distance transmission
- Building Automatic Security System



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	<0.6%
Differential phase	<0.3°
Weighted signal-to-noise ratio	S/N ≥ 67dB
Data	
Physical interface	Screw terminal blocks/5-pin for (1~2ch reversed data)
Interface Signal	RS485(2-wire)
Code rat	0-400Kbps
BER	< 10 ⁻⁹
Optical	
Connector	FC/ST/SC (optional)
Fiber type	MMF/SMF
Transmission distance	1~100Km
Environmental demand	
environmental temperature	-30 °C ~+70 °C
Storage environment	-40 °C ~+85 °C
Relative humidity	0-95% (no condensation)
Power supply voltage	AC220V/50Hz
MTBF	100,000 hours
LED Indication	PWR, FIBER, VIDEO, AUDIO(Optional), SYNC(Optional)
Size	143*108*25mm



AOA Technology Co., Limited.
深圳市奥昇光电技术有限公司

Actuating Optical Advances

Order Information

Model	Product description
AOV-4V1RD	4 channel Video ↑ + 1 channel reversed RS485 Data ↓ , SM, single fiber, 20km