

AOV-2V 2 Channel Video Optical Converter

Overview

AOV-2V series **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-2V series **video fiber converter** are typically used in application with fixed camera, and are available for standalone or rackmount installations. ST/SC/FC optical connector are optional.



Features

- **Plug and Play design** ensures adjustment-free installation and operation for **2U rack**
- 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 for Instant System Monitoring
- 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



Technical Indexes

Parameter	Specifications
Video	
Video interface number	2 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/-2pin for 1-ch revised RS485 data
Interface Signal	RS485(2-wire)
Code rat	0-400Kbps
BER	< 10 ⁻⁹
Optical	
Connector	FC/ST/SC (optional)
Fiber type	MMF,SMF optional
Transmission distance	0~100Km
Environmental demand	
Operating temperature	-10 °C ~+55 °C
Storage environment	-40 °C ~+85 °C
Relative humidity	0-95% (no condensation)
Power supply voltage	AC220V/50Hz or DC-48V/1A
MTBF	100,000 hours
LED Indication	PWR, FIBER, VIDEO
Size:	95*93*26mm

Mechanical Dimensions



Order Information

Model	Product description
AOV-2V	2 channel Video ↑ , SM, single fiber, 20km
AOV-2V1RD	2 channel Video ↑ + 1 channel reversed Data ↓ , SM, single fiber, 20km