

## AOV-4V 4 Channel Video Optical Converter

### Overview

**AOV-4V** 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



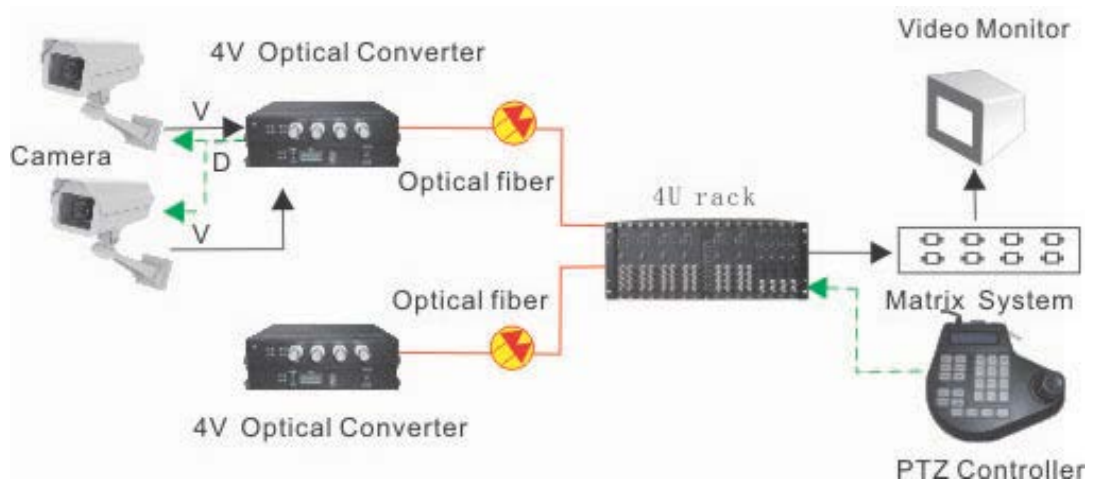
**AOV-4V** series simple-type **video fiber converter** are typically used in application with fixed camera, ST/SC/FC optical connector are optional.

### 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  |
|--------------------------------|---|
| <b>Video</b>                   |   |
| 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  |
| <b>Data</b>                    |   |
| Physical interface             | Screw terminal blocks/5-pin for (1~2ch reversed data) |
| Interface Signal               | RS485(2-wire)   |
| Code rat                       | 0-400Kbps   |
| BER                            | < 10 <sup>-9</sup>                                    |
| <b>Optical</b>                 |   |
| Connector                      | FC/ST/SC (optional)                                   |
| Fiber type                     | MMF/SMF   |
| Transmission distance          | 1~100Km   |
| <b>Environmental demand</b>    |   |
| 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),<br>SYNC(Optional) |
| Size                           | 143*108*25mm  |



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*Actuating Optical Advances*

#### Order Information

| Model     | Product description  |
|-----------|--|
| AOV-4V    | 4 channel Video ↑ , SM, single fiber, 20km                                   |
| AOV-4V1RD | 4 channel Video ↑ + 1 channel reversed RS485 Data ↓ , SM, single fiber, 20km |
| AOV-4V2RD | 4 channel Video ↑ + 2 channel reversed RS485 Data ↓ , SM, single fiber, 20km |