

## AOV-32V 32 Channel Video Optical Converter

### Overview

**AOV-32V** 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



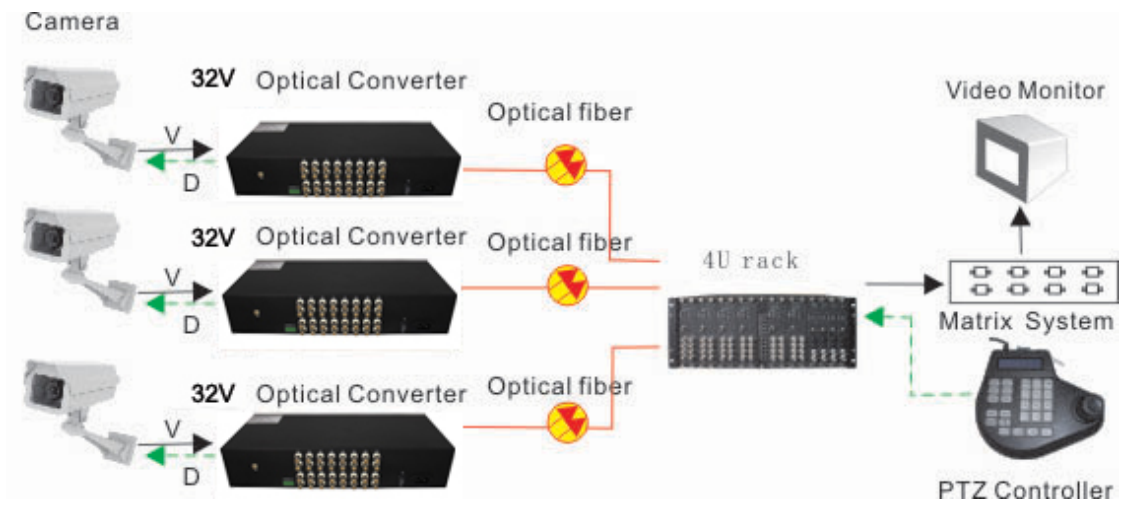
**AOV-32V** series **video fiber converter** are typically used in application with fixed camera, ST/SC/FC optical connector are optional.

### 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



**Technical Indexes**

Parameter	Specifications
<b>Video</b>	
Video interface number	32 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 ch 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), SYNC(Optional)
Size	481*191*87mm



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*Actuating Optical Advances*

#### Order Information

Model	Product description
AOV-32V	32 channel Video ↑ , SM, single fiber, 20km
AOV-32V1RD	32 channel Video ↑ + 1 channel reversed RS485 Data ↓ , SM, single fiber, 20km