



ITEM	Fiber Video Converter
MODEL NO.	AOV-1V1FA
DESCRIPTION	1-ch Video + 1-ch Forward Audio
 Wall Mounted	 Rack Mounted

Overview

AOV-1V1FA Series Video Transmitter and Receiver support 1-channel of 8-bit digitally encoded broadcast quality video + 1-channel forward audio transfer over one multimode or single mode fiber. The device is directly compatible with NTSC, PAL and SECAM camera systems. LED indicators are provided to instantly monitor the system operating status, and it support wall mounted or 2U Rack installation

Features

- Hot-Plug and support wall mounted and 2U rack mounted
- 8-bit digital code and non-compression type video transmission
- 5Hz-10MHz video channel
- Automatic compatible PAL, NTSC and SECAM video system
- 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

Applications

- 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

Technical Specifications

Video	
Video interface number	1 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 \geq 67dB
Audio	
Connector	Terminal blocks
Audio Channel	1 channel forward audio
Audio input/output impedance	600 Ω (Balance/unbalance)
Audio input/output voltage	2Vp-p (typical value)
Audio input/output level	0dBm (typical value)
Audio bandwidth	10HZ~20KHZ
Audio digital encoded bandwidth	24bit
Audio signal-to-noise ratio	S/N \geq 95dB (weighted)
Fiber	
Connector	FC default, ST/SC Optional
Fiber type	MMF,SMF optional, single fiber as default
Transmission distance	0~100Km
Environmental demand	
Operating temperature	-10 $^{\circ}$ C ~+55 $^{\circ}$ C
Storage environment	-40 $^{\circ}$ C ~+85 $^{\circ}$ 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:	94*71*26mm



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Actuating Optical Advances

Order Information

Model No.	Description
AOV-1V1FA-MM-T-ST	1-ch video + 1-ch Forward Audio, MM 1310nm,ST,2km,Transmitter
AOV-1V1FA-MM-R-ST	1-ch video + 1-ch Forward Audio, MM 1310nm,ST,2km,Receiver
AOV-1V1FA-SM-T-FC	1-ch video + 1-ch Forward Audio, SM 1310nm,FC,20km,Transmitter
AOV-1V1FA-SM-R-FC	1-ch video + 1-ch Forward Audio, SM 1310nm,FC,20km,Receiver

Note: Please contact us for long distance