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| ITEM | Fiber Video Converter |
| MODEL NO. | AOV-1V1FA |
| DESCRIPTION | 1-ch Video + 1-ch Forward Audio |
|  <p>Wall Mounted</p> |  <p>Rack Mounted</p> |

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 ≥ 67dB |
| Audio | |
| Connector | Terminal blocks |
| Audio Channel | 1 channel forward audio |
| Audio input/output impedance | 600Ω (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 ≥ 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 °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: | 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