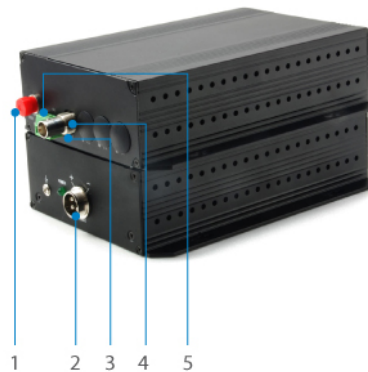




AVF-1100 Version: 1

1-Channel BNC over Fiber Optic Extender Kit, 20km

The LevelOne AVF Video over Fiber Converter series is designed to transmit composite video signals over long distances via optical fibre. On the transmitting side, video signals are digitalized and converted to optical signals, then transmitted over the fibre link to the receiver. The receiver then converts the optical signal back to analogue and displays the transmitted images on a monitor. LevelOne's AVF solutions provide analogue surveillance and signage systems with the high quality images and long-distance transmission achievable through optical fibre, enhancing the capabilities of a traditional deployment or upgrading a legacy system. An ideal solution for analogue surveillance and Video Wall System applications.



1. 10/100Mbps Fiber Port
2. DC Power Connector
3. LED Indicators
4. BNC Connector
5. RS485 Port

Key Features

- Transmits analogue video signal over single fiber cable
- Uncompressed high quality video transmission
- Transmit up to 20 km without optical attenuation
- No RF interference or signal degradation over optical fiber
- No EMI and electromagnetic interference
- LED indicator status for instance system monitoring
- True Plug & Play design facilitates ease of installation
- -25°C to 75°C operating temperature range
- Supports RS-485 data protocol (Optional)



Specifications

System Specifications

Port:

FC

Indicator:

PWR,LNK,VIDEO

Wavelength (nm):

1310nm

Optical Receive Sensitivity:

<-18dB

Impedance (Ohms):

75? composite

Power Input:

5V/2A

Bandwidth:

5Hz to 6.5MHz

Signal to Noise Ratio:

>63dB

Linearity:

<1.3%DG <1.3°DP

Bit Error Rate:

<1×10⁻⁹

Data Transfer Rate:

Without

Optical Transmission Power:

-7dB to -14dB

Features

General:

Uncompressed 8 bit video encoding, High-speed synchronous digital transmission technology
Super optical dynamic range, no adjustment needed
Status indication for power supply, optical signal and video
without electromagnetic interference, radio frequency interference and ground current
Safe transmission guaranteed under poor electromagnetic environment
Maximum tolerable link loss for single mode single fiber is 18db

Performance

Operating Distance:

20kM

Environment

Temperature (°C):

-20°C ~ +70°C

Humidity (Non-condensing):

0~ 95%

Physical Specifications

Dimensions (W x D x H mm):

133 x 174 x 47 mm

Weight (g):

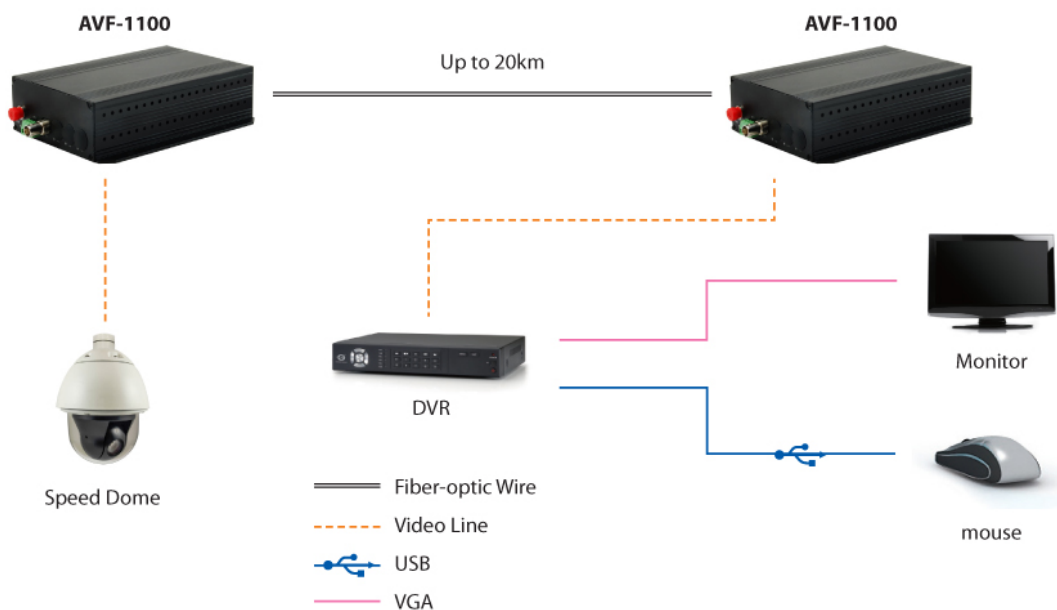
1.1KG

Approval and Compliance

EMI/EMS:

CE, RoHS, FCC

Diagram



Order Information

AVF-1100

Package Contents

AVF-1100

Power Adapter (x2)

Quick Installation Guide

Optional Accessory



CVH-2100

18-Slot Chassis, 3U, 19" Rack Mount

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