



AVF-1160 16:1

16-Channel BNC over Fiber 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.



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
- Operation temperature -25 to 75 C (-13 to 167 F)
- Supports RS-485 data protocol (Optional)



System Specifications

Connectors and Cabling:

FC

Wavelength(nm):

1310nm & 1550nm

Optical Receive Sensitivity:

<-18dB

Indicator:

PWR,LNK,VIDEO

Power Budget:

15W

Impedance (Ohms):

75Ω composite

Power:

5V3A

Bandwidth:

5Hz to 6.5MHz

Signal to Noise Ratio:

>63dB

Linearity:

<1.3%DG <1.3°DP

Bit Error Rate:

<1×10⁻⁹

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

Data Transfer Rate:

Without

Operating Distance:

20kM

Optical Transmission Power:

-6dB to -12dB

Environment

Temperature (°C):

-20°C ~ +70°C

Humidity (Non-condensing):

0~ 95%

Physical Specifications

Dimensions (W x D x H mm):

160 × 182 × 84 mm

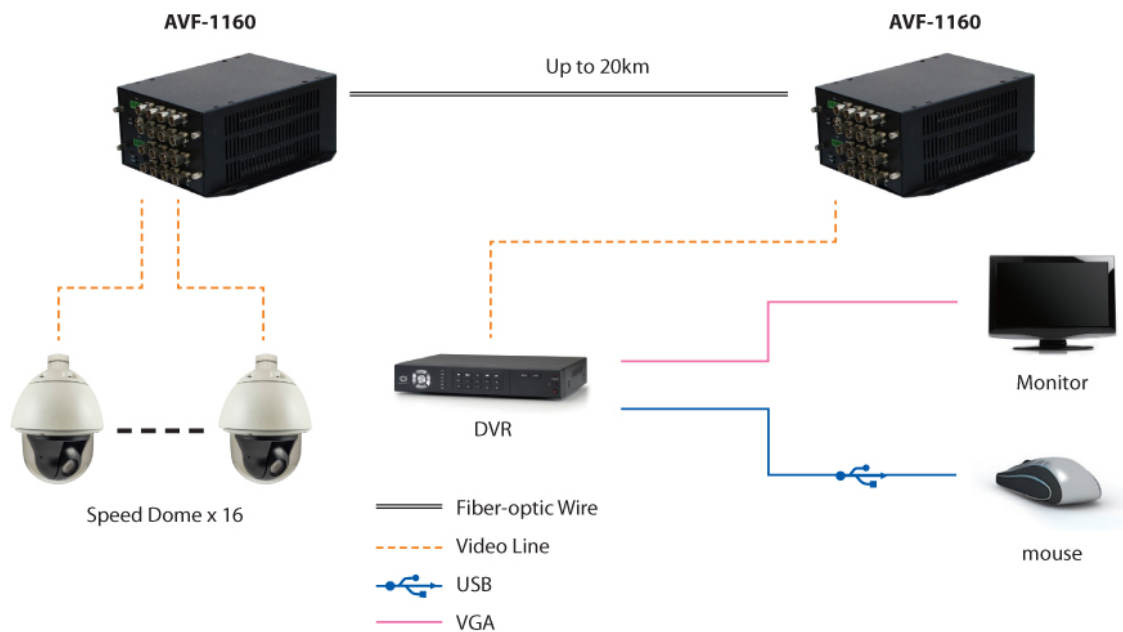
Weight (g):

1.7kg

Others

Approval and Compliance:

CE/FCC



Order Information

AVF-1160

Package Contents

AVF-1160

Power Adapter (x2)

Quick Installation Guide



CVH-2100

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

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