Overview

1 ch BIDI balance audio over fiber series support 1 Channel BIDI 16-bit digitally encoded broadcast quality balance audio over one multi-mode or single-mode optical fiber. These fiber optic transmitter and fiber optic receiver are typically used in applications for Rental, Staging, Theater, Stadiums, Theme Parks, Broadcast/Studio, CCTV audio and Professional AV applications, etc, and are available for stand-alone or rack-mount installations. FC, ST or SC optical connectors is optional.

Plug and Play design ensures adjustment-free installation and operation, and optical adjustments are never required. LED indicators are provided to instantly monitor the system operating status.

Specifications

Opitcal:

Wavelength	1310nm&1470nm~1610nm
Output Power	-10~ -5dBm / -5~0dBm
Optic fiber	50/125u multimode，62.5/125u multimode，9/125u single mode
Rx sensitivity	-25dBm
Optical connector	FC、ST、SC、LC (optional)
Distance	0~500M (MM) / 0~20KM/40KM/60KM/80KM (SM)

Balance Audio

Number of Channels	1 Input +1 Output
Input Connector	XLR（female）
Output Connector	XLR（male）
Input / Output Impedance	10K Ohm
Input capacitance LINE inputs	10 pF
Max input/output voltage	1 V p-p
Frequency Response	20 Hz～24kHz @±3dB
Sample Rates From	48kHz
SNR	> 80dB

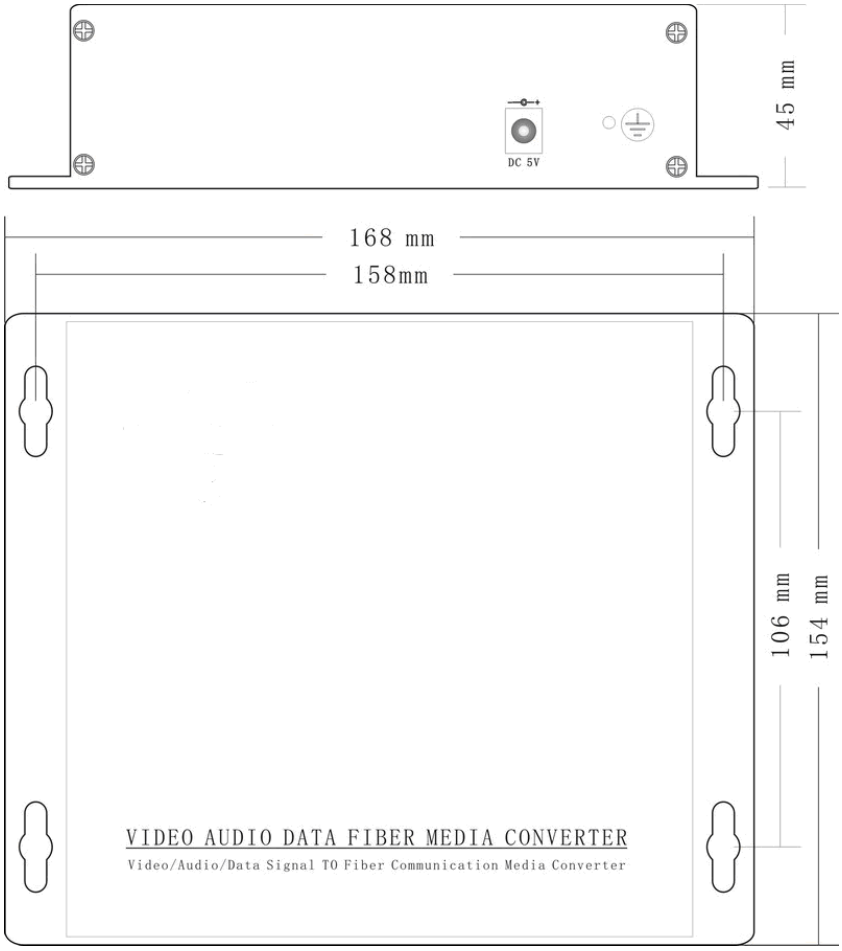
Electrical & Mechanical

Input Power Requirements:	DC 5V@2A
Power Adapter:	AC 90V~240V
Power Consumption:	< 5W
Stand-Alone Dimensions:	168mm × 154mm × 45mm
Shipping Weight:	(include Transmitter & Receiver) 2.5kg

Environmental

Operating Temperature:	-20°C ~ +75°C
Storage Temperature:	-40°C ~ +85°C
Relative Humidity:	0% ~ 95% (non-condensing)
MTBF:	>100,000 hours

Standalone Dimensions:



Audio connection diagram