

2-Channel Duplex Balanced Audio over Fiber Line Level with XLR Connector

System Design

Fiber Optic Audio Transmitter & Receiver

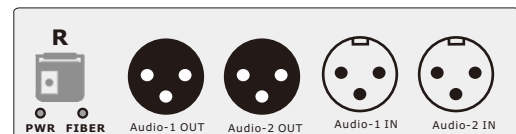
VOS-2XLR-DT/R provides for the 2-Channel Duplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

Features

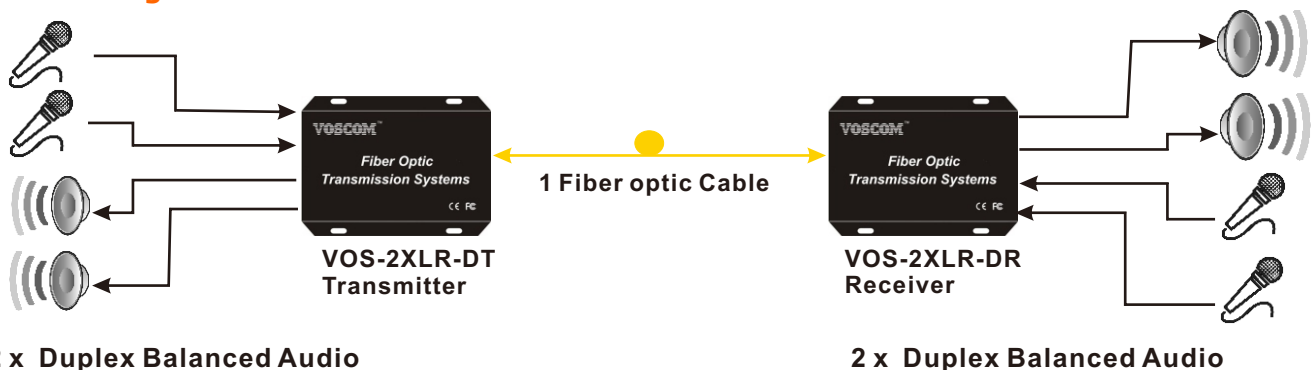
- Balanced Audio over one core fiber with SFP
- Balanced Audio with XLR Connector for Line Level
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
- Stand alone or rack-mount



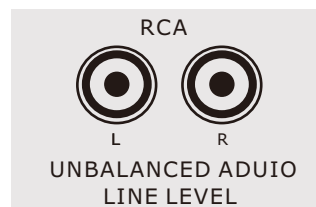
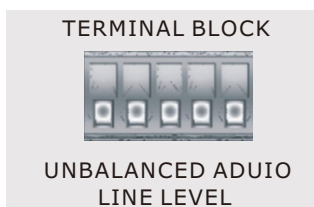
Panel



Typical Configuration



Multiple Audio and Connectors



* If you need other audio connectors, please contact us for the details

Analog Audio over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-2XLR-DMT	VOS-2XLR-DMR	Multi-Mode	1310/1550nm	16dB	500m
VOS-2XLR-DST	VOS-2XLR-DSR	Single-Mode	1310/1550nm	12dB	20km
VOS-2XLR-DST-4	VOS-2XLR-DSR-4	Single-Mode	1310/1550nm	18dB	40km
VOS-2XLR-DST-6	VOS-2XLR-DSR-6	Single-Mode	1310/1550nm	25dB	60km

Note:

- The Optical Power Budget data fit Multi-mode(62.5/125 μ m), Single-Mode(9/125 μ m).
- When using 50/125 μ m. multimode fiber, subtract 3 dB from the optical power budget.
- Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.
- Maximum transmission distance is also limited by fiber bandwidth.
- Power adapter is manufactured by third party and is supplied with fitted screw-terminal output cables. Power adapter included (for standalone) US, European, UK or Australian power plug.
- Please feel free to consult factory for any special requirement and customization

Specification

• Audio

Number of Channels: 2-Channel Duplex Audio
 Audio input/output Level: +4dBu nominal
 Audio Type: Balanced, Line Level
 Audio in/output impedance: 600 Ω
 Frequency Response: 20Hz ~ 20KHz
 Sample Rate: 192KHz
 Signal-to-Noise Ratio(SNR): > 90 dB
 Distortion: <0.05%

• Connectors

Audio: XLR Male/Female
 Optical: LC Connector (SFP)
 Stand-Alone Power: Screw terminal block
 Rack Power: AC line cord

• Electrical & Mechanical

Input Power Requirements: DC 12V@1A
 Power Adapter: AC 100V~240V
 Power Consumption: < 3W
 Stand-Alone Dimensions: 167mm x 114mm x 45mm
 Shipping Weight: 1.5kg (include TX & RX)

• Environmental

Operating Temperature: -45°C~+75°C
 Storage Temperature: -45°C~+85°C
 Relative Humidity: 0%~95% (non-condensing)
 MTBF: >100,000 hours