

8-Channel Simplex Balanced Audio over Fiber with XLR Connector



System Design

Fiber Optic Audio Transmitter & Receiver

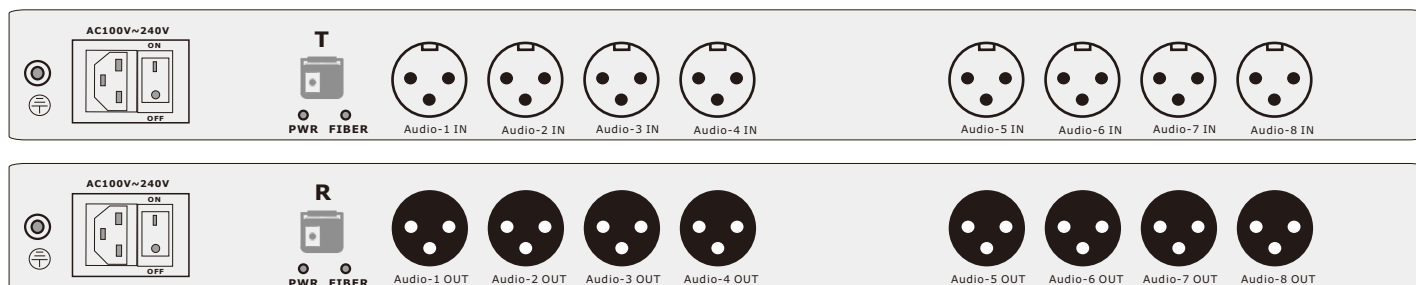
VOS-8XLR-FT/R provides for the 8-Channel Simplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

Features

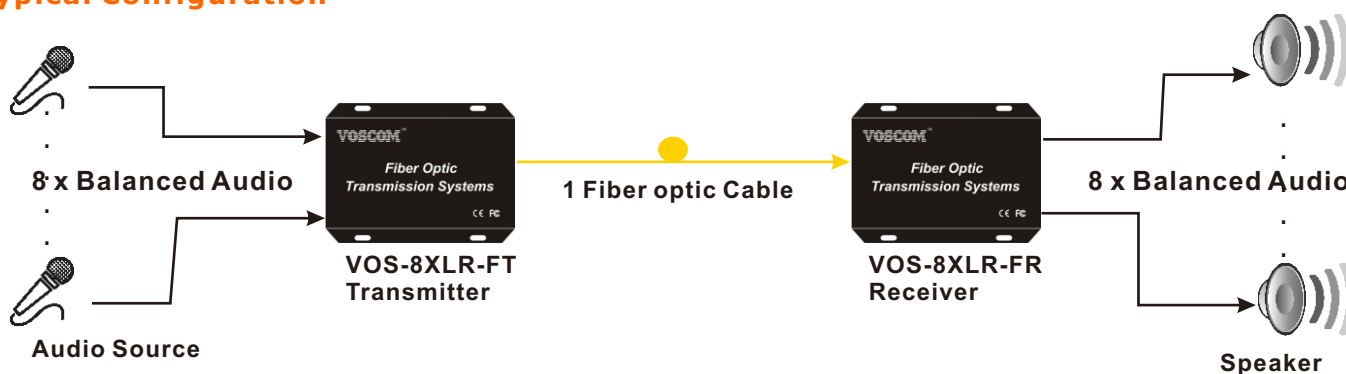
- Analog Balanced Audio over one core fiber with SFP
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- No EMI or RFI and no ground loops
- 19inch 1U Rack



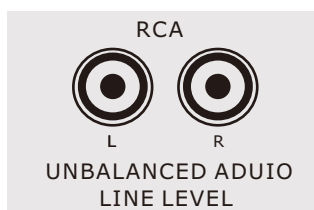
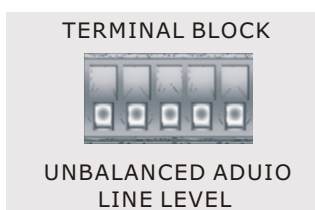
Panel



Typical Configuration



Multiple Audio and Connectors



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

Balanced Audio over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-8XLR-FMT	VOS-8XLR-FMR	Multi-Mode	1310nm	16dB	500m
VOS-8XLR-FST	VOS-8XLR-FSR	Single-Mode	1310nm	12dB	20km
VOS-8XLR-FST-4	VOS-8XLR-FSR-4	Single-Mode	1310nm	18dB	40km
VOS-8XLR-FST-6	VOS-8XLR-FSR-6	Single-Mode	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: 8-Channel Simplex 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@2A
Power Adapter: AC 100V~240V (Built-in)
Power Consumption: < 3W
Stand-Alone Dimensions: 445mm x 220mm x 44.5mm
(19inch 1U rack)
Shipping Weight: 6kg (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