

## 4-Channel Duplex Balanced Audio over Fiber with XLR Connector



### System Design

#### Fiber Optic Audio Transmitter & Receiver

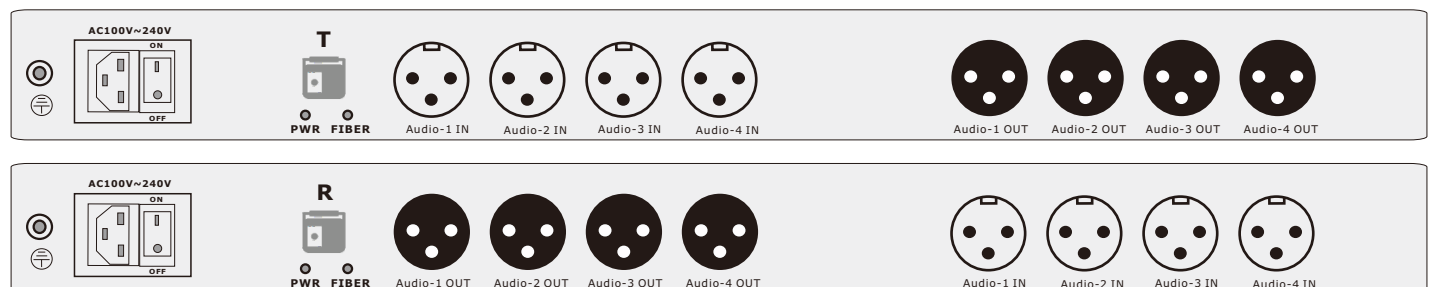
VOS-4XLR-DT/R provides for the 4-Channel Duplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

### Features

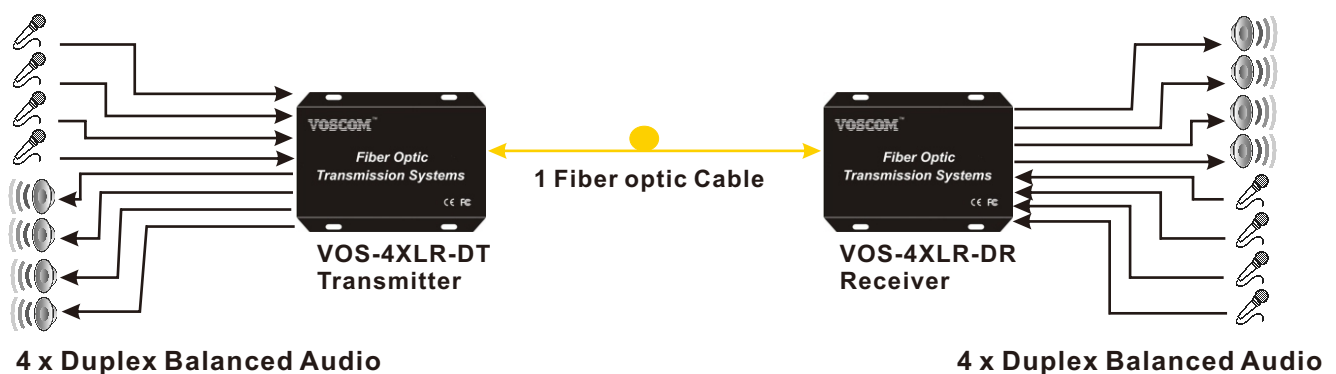
- Analog Balanced Audio over one core fiber with SFP
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- No EMI or RFI and no ground loops
- 19inch 1U Rack



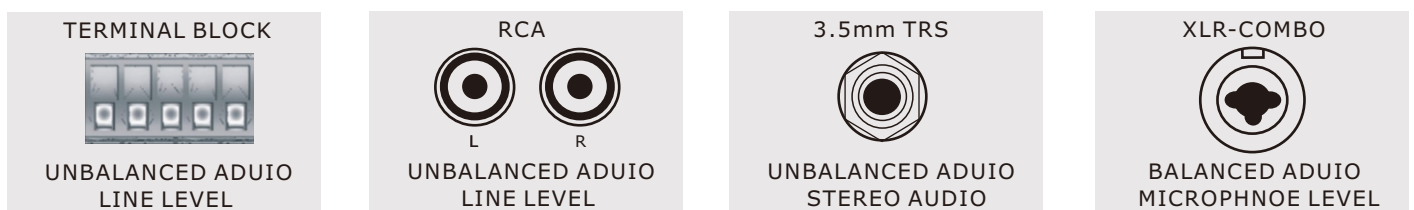
### Panel



### 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-4XLR-DMT	VOS-4XLR-DMR	Multi-Mode	1310/1550nm	16dB	500m
VOS-4XLR-DST	VOS-4XLR-DSR	Single-Mode	1310/1550nm	12dB	20km
VOS-4XLR-DST-4	VOS-4XLR-DSR-4	Single-Mode	1310/1550nm	18dB	40km
VOS-4XLR-DST-6	VOS-4XLR-DSR-6	Single-Mode	1310/1550nm	25dB	60km

### Note:

- The Optical Power Budget data fit Mult-mode(62.5/125  $\mu$ m),Single-Mode(9/125  $\mu$ m).
- When using 50/125  $\mu$ 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: 4-Channel Duplex Audio  
 Audio input/output Level: +4dBu nominal  
 Audio Type: Balanced, Line Level  
 Audio in/output impedance: 600 $\Omega$   
 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