

4-Channel Simplex AES/EBU Digital Audio over Fiber with XLR Connector

System Design

Fiber Optic Audio Transmitter & Receiver

VOS-4AES-FT/R provides for the 4-Channel Simplex AES/EBU Digital Audio. Ideal for Broadcast /Studio and Professional AV applications.

Features

- AES/EBU digital Audio over one core fiber with SFP
- AES/EBU digital Audio with XLR Connector
- 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

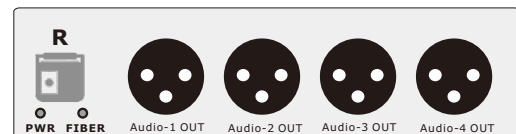


Video

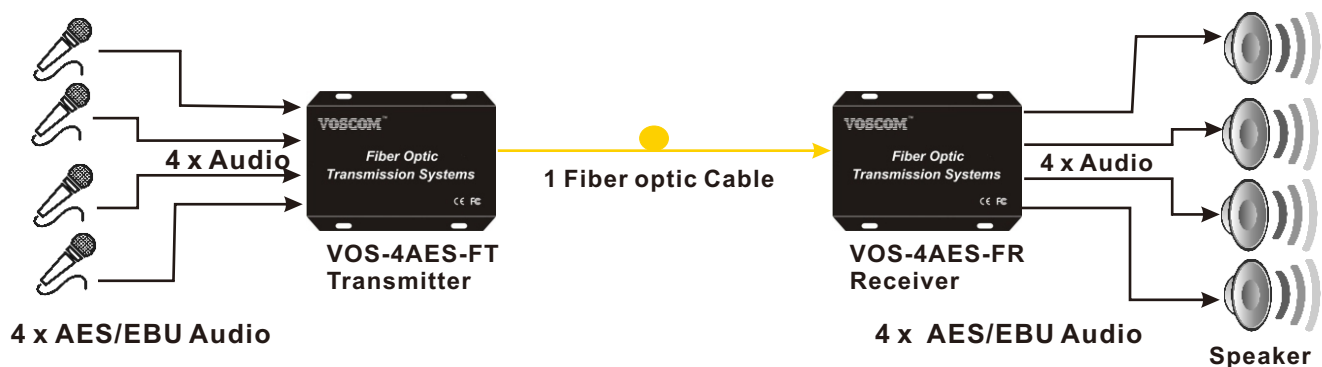
4
AES/EBU

Data

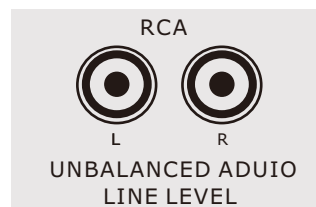
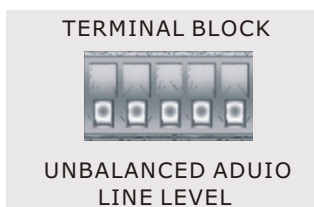
Panel



Typical Configuration



Multiple Audio and Connectors



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

AES/EBU Audio over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-4AES-FMT	VOS-4AES-FMR	Multi-Mode	1310nm	16dB	500m
VOS-4AES-FST	VOS-4AES-FSR	Single-Mode	1310nm	12dB	20km
VOS-4AES-FST-4	VOS-4AES-FSR-4	Single-Mode	1310nm	18dB	40km
VOS-4AES-FST-6	VOS-4AES-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

• AES/EBU	• Connectors
Number of Channels: 4-Ch Simplex AES/EBU Standards: AES3, IEC60958, S/PDIF, EIAJCP1201 Input Level: 0.2 to 10V p-p, 110 Ω Output Level: 2 to 7V p-p, 110 Ω In/output impedance: 110 Ω (Balanced) Input Sample Rate : 32 to 96 khz Output Sample Rate : 48 khz Return Loss: >15db, 100 khz to 6 mhz Output Jitter: <20ns	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