

2-Channel Duplex AES/EBU Digital Audio over Fiber with XLR Connector

System Design

Fiber Optic Audio Transmitter & Receiver

VOS-2AES-DT/R provides for the 2-Channel Duplex AES/EBU Digital Audio. Ideal for Broadcast /Studio and Professional AV applications.

Features

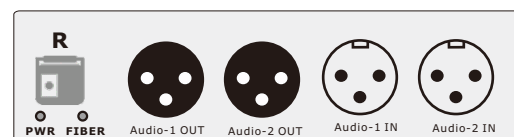
- AES/EBU digital Audio over one core fiber with SFP
- AES/EBU digital Audio with XLR Connector
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
-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



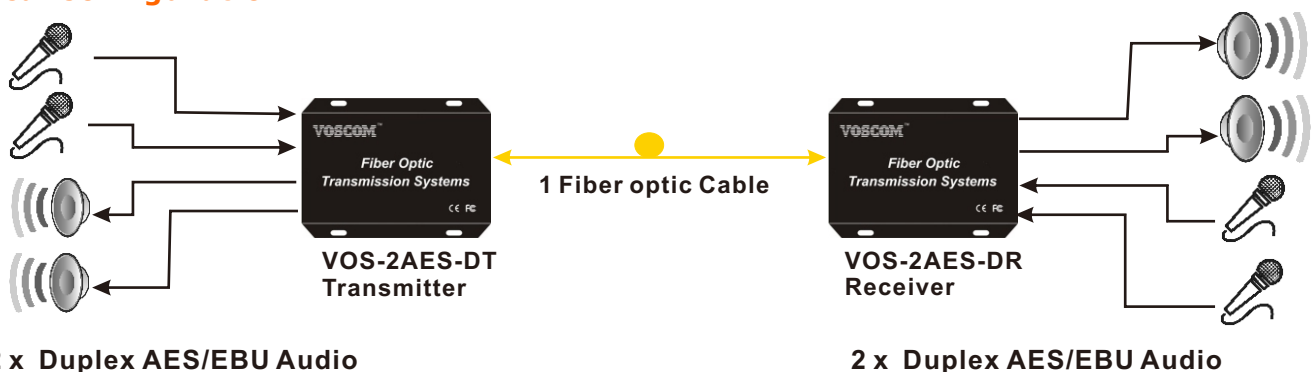
Video
2
AES/EBU

Data

Panel



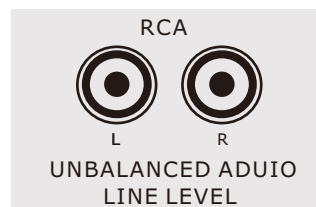
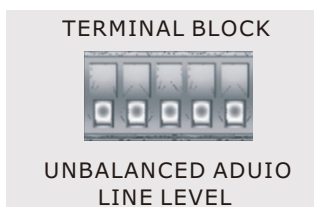
Typical Configuration



2 x Duplex AES/EBU Audio

2 x Duplex AES/EBU Audio

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-2AES-DMT	VOS-2AES-DMR	Multi-Mode	1310/1550nm	16dB	500m
VOS-2AES-DST	VOS-2AES-DSR	Single-Mode	1310/1550nm	12dB	20km
VOS-2AES-DST-4	VOS-2AES-DSR-4	Single-Mode	1310/1550nm	18dB	40km
VOS-2AES-DST-6	VOS-2AES-DSR-6	Single-Mode	1310/1550nm	25dB	60km

Note:

- The Optical Power Budget data fit Mult-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
<div>Number of Channels: 2-Channel Duplex AES/EBU</div> <div>Standards: AES3,IEC60958, S/PDIF, EIAJCP1201</div> <div>Input Level: 0.2 to 10V p-p, 110Ω</div> <div>Output Level: 2 to 7V p-p, 110Ω</div> <div>In/output impedance: 110Ω (Balanced)</div> <div>Input Sample Rate : 32 to 96 khz</div> <div>Output Sample Rate : 48 khz</div> <div>Return Loss: >15db, 100 khz to 6 mhz</div> <div>Output Jitter: <20ns</div>	<div>Audio: XLR Male/Female</div> <div>Optical: LC Connector (SFP)</div> <div>Stand-Alone Power: Screw terminal block</div> <div>Rack Power: AC line cord</div>
	• Electrical & Mechanical
	<div>Input Power Requirements: DC 12V@1A</div> <div>Power Adapter: AC 100V~240V</div> <div>Power Consumption: < 3W</div> <div>Stand-Alone Dimensions: 167mm x 114mm x 45mm</div> <div>Shipping Weight: 1.5kg (include TX & RX)</div>
	•Environmental
	<div>Operating Temperature: -45°C~+75°C</div> <div>Storage Temperature: -45°C~+85°C</div> <div>Relative Humidity: 0%~95% (non-condensing)</div> <div>MTBF: >100,000 hours</div>