

VOSCOM's Audio over Fiber Converter / Extender support 1~8 Channel broadcast quality audio over one multi-mode or single-mode optical fiber. The audio over fiber extender ensures high quality signals with no interference, they are typically used in applications for Rental, Staging, Theater, Stadiums, Theme Parks, Broadcast/Studio, Audio Visual systems, Public Address Systems and Professional AV applications, etc.

The Audio over Fiber Converter support Analog or Digital audio, Balanced or Unbalanced Audio, Line level or Micro Level. and the audio connectors support terminal block, RCA, 3.5mm TRS jack, XLR and XLR-COMBO. These versatile options empower customers to select the ideal setup for their specific requirements, whether for professional audio systems, home entertainment, or on-the-go applications. The wide range of supported connectors and signal levels ensures seamless integration into diverse audio environments—from studio-grade recording setups to casual multimedia setups—making the converter a flexible choice for any audio transmission need.

Features

- Analog Audio or Digital Audio
- Balanced or Unbalanced Audio
- Line Level or Microphone Level
- 8x Mic Level Inputs / outputs with Phantom Power
- 8x Line Level Analog Audio Inputs / outputs
- 8x Digital Audio AES/EBU Inputs / outputs
- Terminal Block, RCA, 3.5mm TRS Jack
- XLR Connector for Line Level Balanced Audio
- XLR-COMBO Connector for Mic Level Audio

Applications

- Broadcast / Studio
- Audio Visual systems
- Public Address Systems
- Live Music & Entertainment
- Live Cinematic Multi-cam
- Live Sports Broadcast
- ENG, EFP
- High-Definition Video Surveillance
- High-Definition Pro Audio Visual



Balanced Audio over Fiber
Mic Level



Balanced Audio over Fiber
Line Level



AES/EBU over Fiber



Unbalanced Audio over Fiber
Terminal Block



Unbalanced Audio over Fiber
RCA Connector



Stereo Audio over Fiber
3.5mm Jack

Ordering Information

Part Number	Description
VOS-0100FT/R	1-Channel Simplex Analog Audio, Terminal Block Connector
VOS-0200FT/R	2-Channel Simplex Analog Audio, Terminal Block Connector
VOS-0400FT/R	4-Channel Simplex Analog Audio, Terminal Block Connector
VOS-0800FT/R	8-Channel Simplex Analog Audio, Terminal Block Connector
VOS-0100DT/R	1-Channel Duplex Analog Audio, Terminal Block Connector
VOS-0200DT/R	2-Channel Duplex Analog Audio, Terminal Block Connector
VOS-0400DT/R	4-Channel Duplex Analog Audio, Terminal Block Connector
VOS-1TRS35-FT/R	1-Channel Simplex Analog Stereo Audio, 3.5mm TRS Jack
VOS-1TRS35-DT/R	1-Channel Duplex Analog Stereo Audio, 3.5mm TRS Jack
VOS-2RCA-FT/R	2-Channel Simplex Analog Audio (1-Channel Stereo), RCA Connector
VOS-2RCA-DT/R	2-Channel Duplex Analog Audio (1-Ch Duplex Stereo), RCA Connector
VOS-2XLR-FT/R	2-Channel Simplex Analog Balanced Audio, XLR Connector, Line Level
VOS-2XLR-DT/R	2-Channel Duplex Analog Balanced Audio, XLR Connector, Line Level
VOS-4XLR-FT/R	4-Channel Simplex Analog Balanced Audio, XLR Connector, Line Level
VOS-4XLR-DT/R	4-Channel Duplex Analog Balanced Audio, XLR Connector, Line Level
VOS-8XLR-FT/R	8-Channel Simplex Analog Balanced Audio, XLR Connector, Line Level
VOS-2XLRC-DT/R	2-Channel Duplex Analog Balanced Audio, XLR-COMBO Connector, Microphone Level
VOS-4XLRC-FT/R	4-Channel Simplex Analog Balanced Audio, XLR-COMBO Connector, Microphone Level
VOS-2AES-DT/R	2-Channel Duplex Digital AES/EBU Balanced Audio, XLR Connector
VOS-4AES-FT/R	4-Channel Simplex Digital AES/EBU Balanced Audio, XLR Connector

Details link: <https://www.voscom.com/audio-over-fiber/>

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

System Design

Fiber Optic Audio Transmitter & Receiver

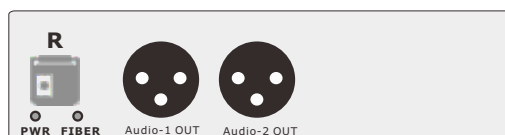
VOS-2XLR-ST/R provides for the 2-Channel Simplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

Features

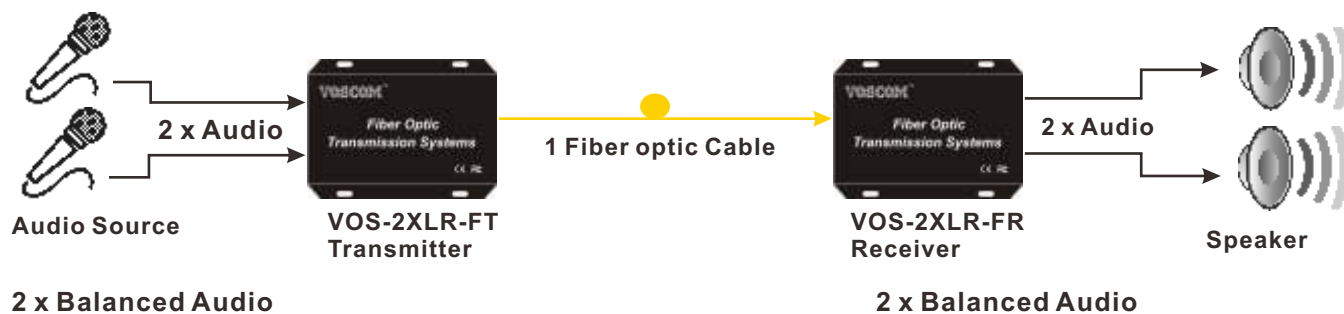
- Balanced Audio over one core fiber with SFP
- Balanced Audio with XLR Connector for Line Level
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops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



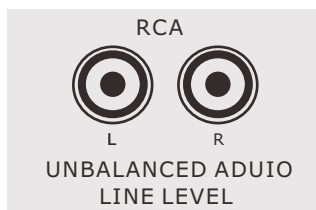
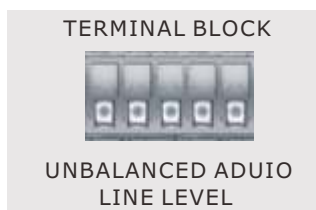
Panel



Typical Configuration



Multiple Audio and Connectors



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

Balanced Audio over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-2XLR-FMT	VOS-2XLR-FMR	Multi-Mode	1310nm	16dB	500m
VOS-2XLR-FST	VOS-2XLR-FSR	Single-Mode	1310nm	12dB	20km
VOS-2XLR-FST-4	VOS-2XLR-FSR-4	Single-Mode	1310nm	18dB	40km
VOS-2XLR-FST-6	VOS-2XLR-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: 2-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@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

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

System Design

Fiber Optic Audio Transmitter & Receiver

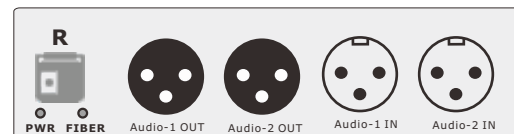
VOS-2XLR-DT/R provides for the 2-Channel Duplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

Features

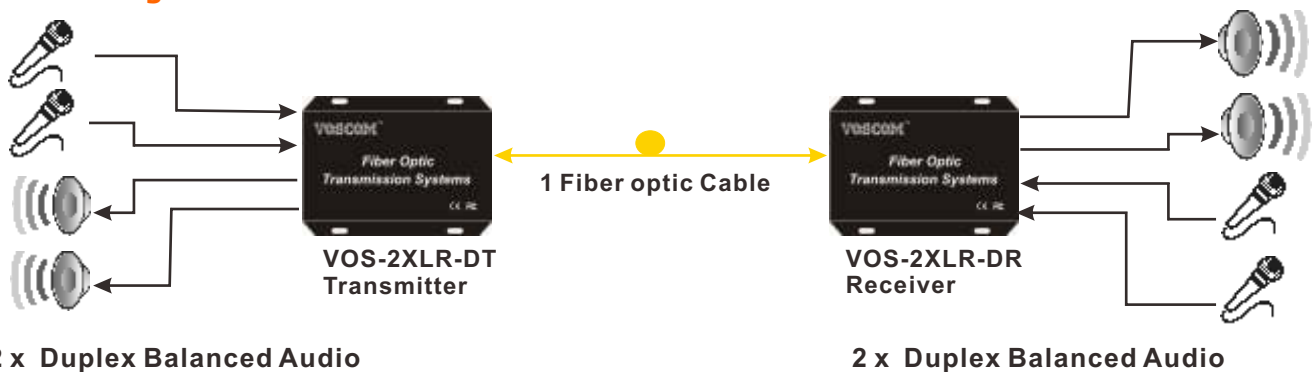
- Balanced Audio over one core fiber with SFP
- Balanced Audio with XLR Connector for Line Level
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops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



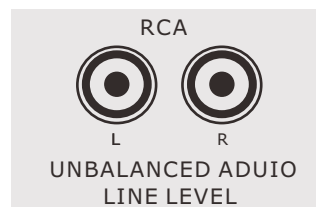
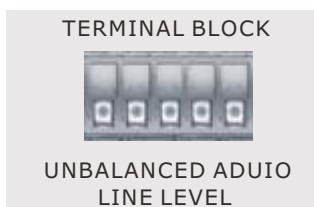
Panel



Typical Configuration



Multiple Audio and Connectors



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

Balanced 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 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

• 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

4-Channel Simplex Balanced Audio over Fiber Line Level with XLR Connector

System Design

Fiber Optic Audio Transmitter & Receiver

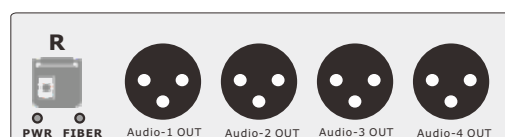
VOS-4XLR-ST/R provides for the 4-Channel Simplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

Features

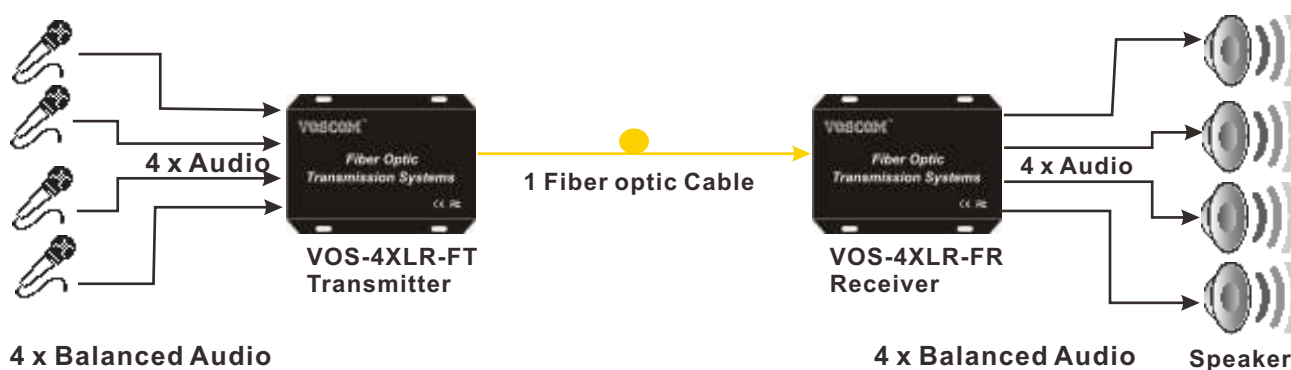
- Balanced Audio over one core fiber with SFP
- Balanced Audio with XLR Connector for Line Level
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops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



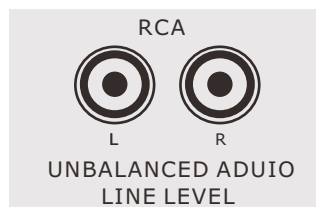
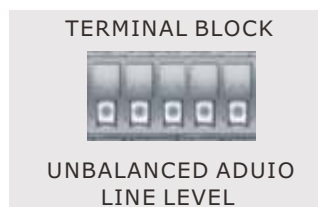
Panel



Typical Configuration



Multiple Audio and Connectors



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

Balanced Audio over Fiber

Ordering Information

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

4-Channel Duplex Balanced Audio over Fiber with XLR Connector



System Design

Fiber Optic Audio Transmitter & Receiver

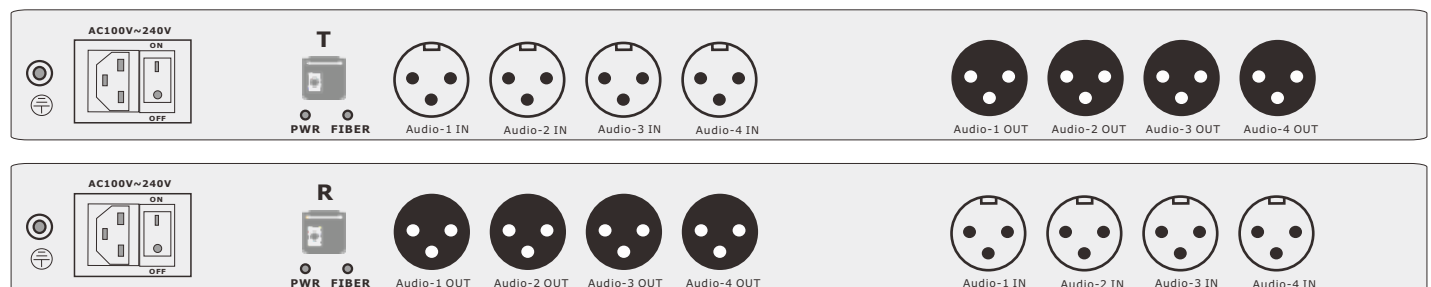
VOS-4XLR-DT/R provides for the 4-Channel Duplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

Features

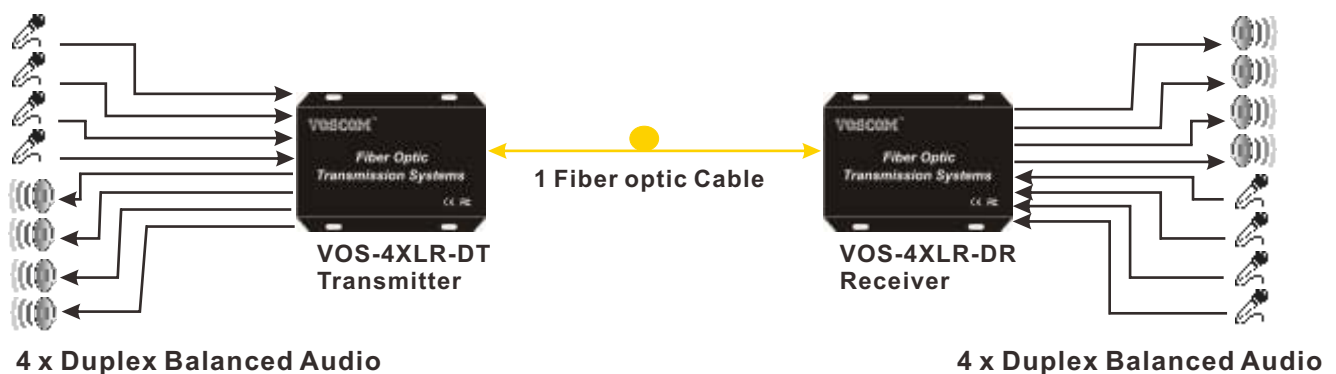
- Analog Balanced Audio over one core fiber with SFP
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- No EMI or RFI and no ground loops
- 19inch 1U Rack



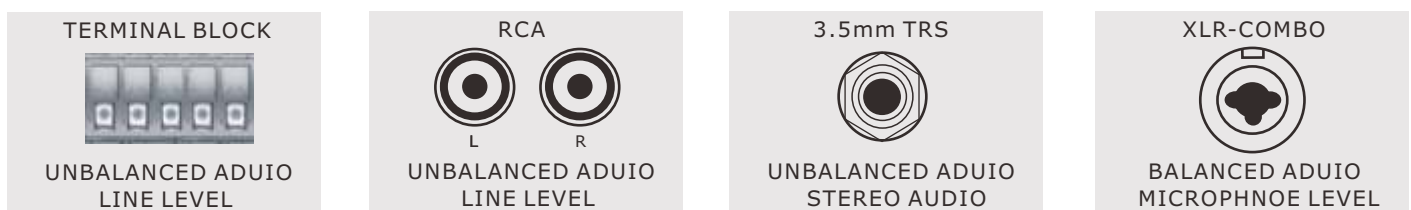
Panel



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 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: 4-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@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

8-Channel Simplex Balanced Audio over Fiber with XLR Connector



System Design

Fiber Optic Audio Transmitter & Receiver

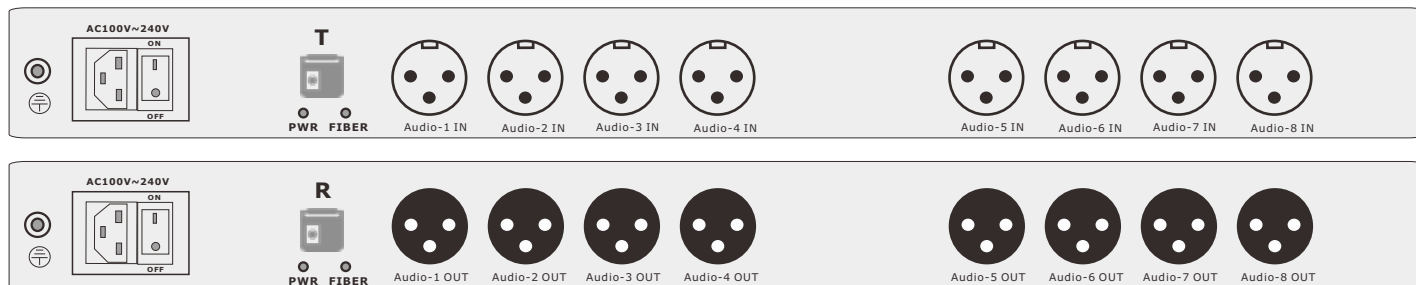
VOS-8XLR-FT/R provides for the 8-Channel Simplex Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

Features

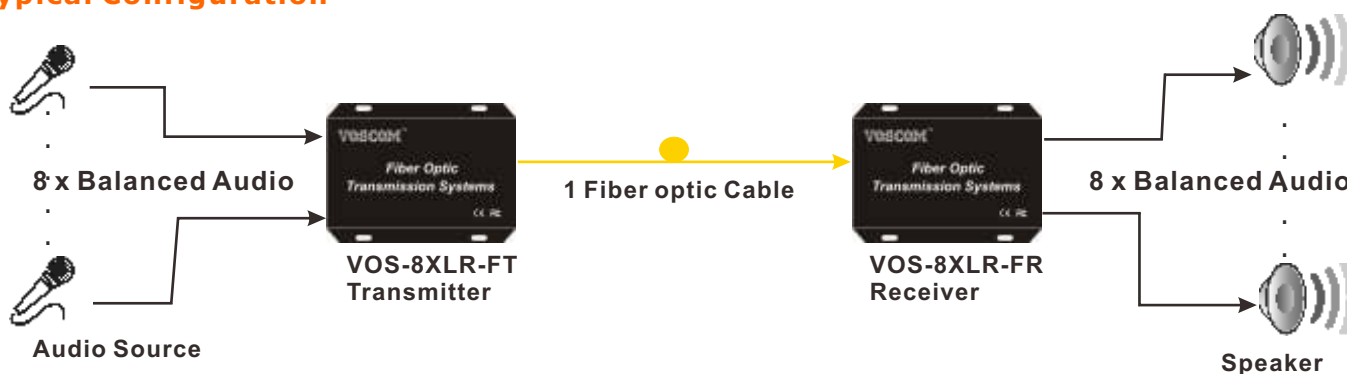
- Analog Balanced Audio over one core fiber with SFP
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- No EMI or RFI and no ground loops
- 19inch 1U Rack



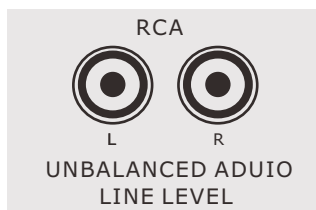
Panel



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

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

System Design

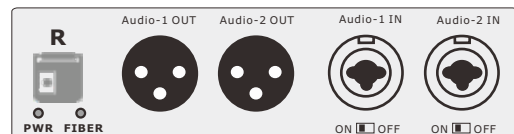
VOS-2XLRC-DT/R provides for the 2-Channel Duplex Microphone Level Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications. XLR-COMBO supports XLR male plugs or 6.35mm TRS plugs



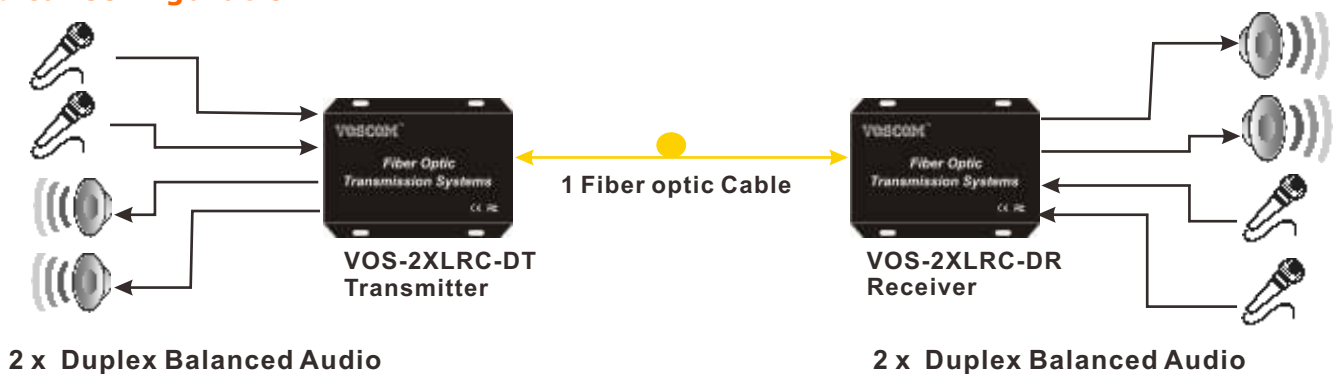
Features

- Balanced Audio (Mic or Line Level) over fiber with SFP
- XLR-Combo supports XLR male plugs or 6.35mm TRS plugs
- XLR-Combo w/48V Phantom Switch: ON=Mic (48V), OFF=Line
- 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

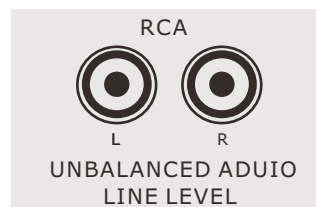
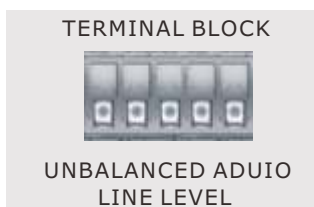
Panel



Typical Configuration



Multiple Audio and Connectors



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

Balanced Audio over Fiber

Ordering Information

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

• Audio

Number of Channels: 2-Channel Duplex Audio
Audio input/output Level: +4dBu nominal
Audio Type: Balanced, Mic or 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
XLR-Combo
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

4-Channel Simplex Balanced Audio over Fiber Mic Level with XLR-COMBO Connector

System Design

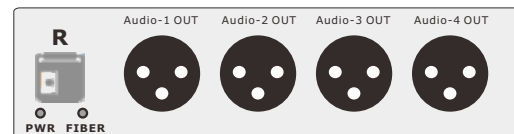
VOS-4XLRC-FT/R provides for the 4-Channel Simplex Microphone Level Balanced Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications. XLR-COMBO supports XLR male plugs or 6.35mm TRS plugs



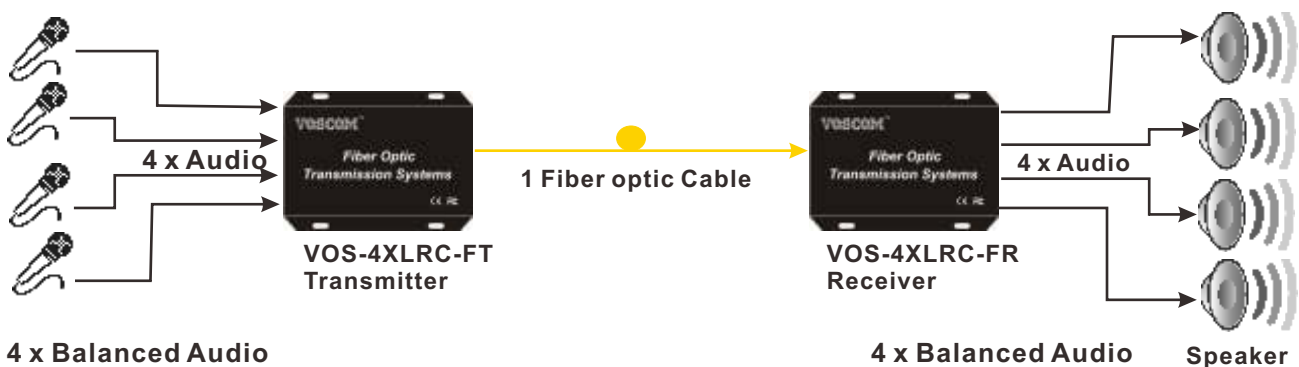
Features

- Balanced Audio (Mic or Line Level) over fiber with SFP
- XLR-Combo supports XLR male plugs or 6.35mm TRS plugs
- XLR-Combo w/48V Phantom Switch: ON=Mic (48V), OFF=Line
- 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

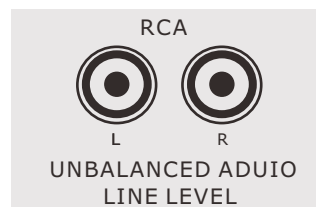
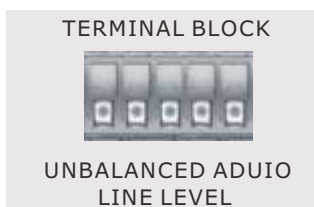
Panel



Typical Configuration



Multiple Audio and Connectors



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

Balanced Audio over Fiber

Ordering Information

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

• Audio

Number of Channels: 4-Channel Simplex Audio
Audio input/output Level: +4dBu nominal
Audio Type: Balanced, Mic or 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
XLR-Combo
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

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

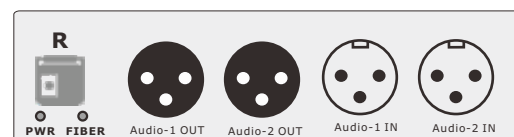
- AES/EBU digital Audio over one core fiber with SFP
- AES/EBU digital Audio with XLR Connector
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
-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



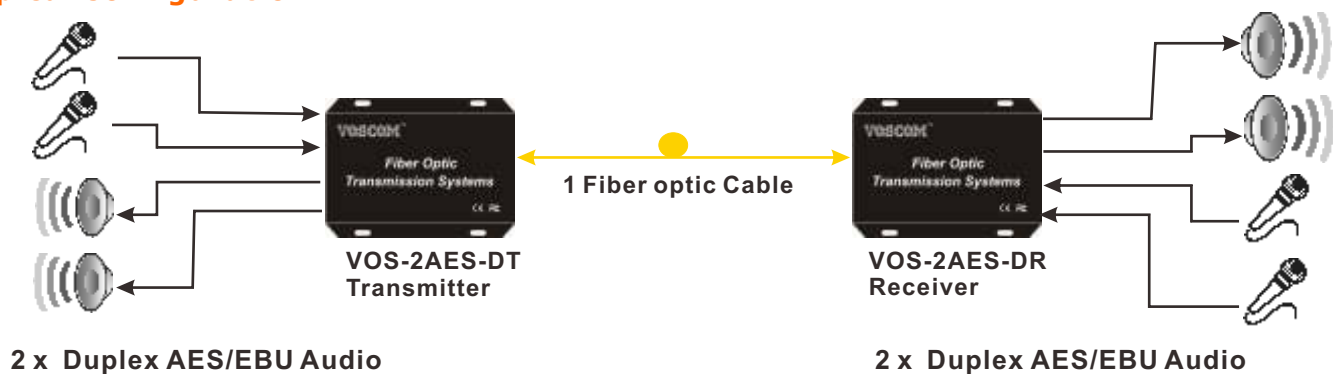
Video
2
AES/EBU

Data

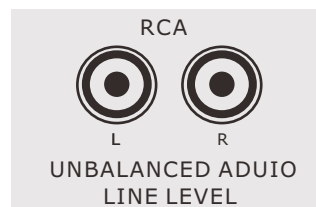
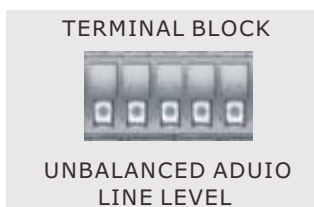
Panel



Typical Configuration



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
Number of Channels: 2-Channel Duplex AES/EBU Standards: AES3,IEC60958, S/PDIF, EIAJCP1201 Input Level: 0.2 to 10V p-p, 110Ω Output Level: 2 to 7V p-p, 110Ω In/output impedance: 110Ω (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

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

System Design

Fiber Optic Audio Transmitter & Receiver

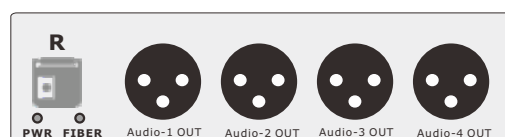
VOS-4AES-FT/R provides for the 4-Channel Simplex AES/EBU Digital Audio. Ideal for Broadcast /Studio and Professional AV applications.

Features

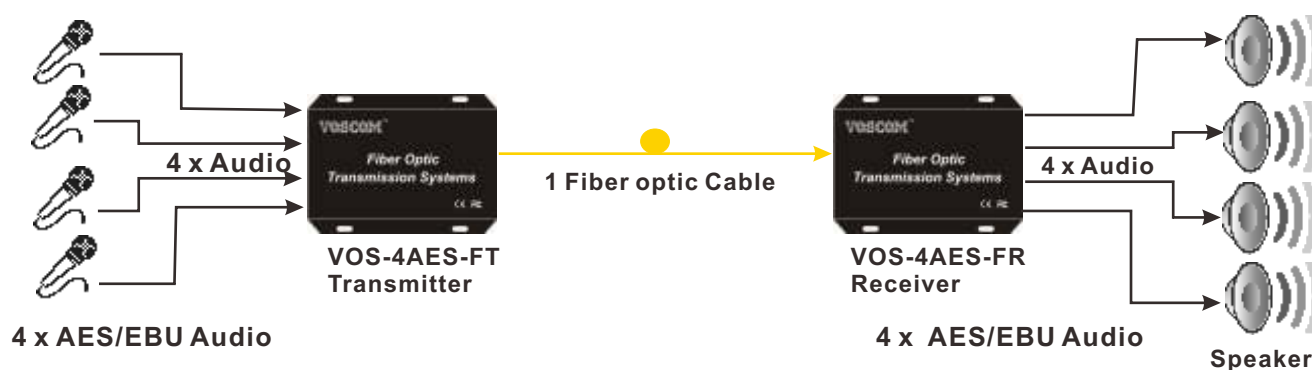
- AES/EBU digital Audio over one core fiber with SFP
- AES/EBU digital Audio with XLR Connector
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
-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



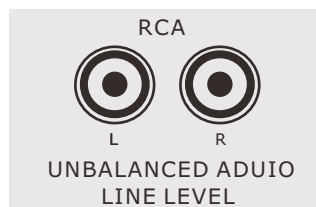
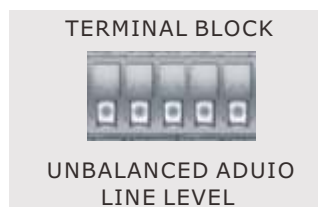
Panel



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