

Fiber Optic Audio Transmission 8-Channel Simplex Analog Audio over Fiber

System Design

Fiber Optic Audio Transmitter & Receiver

VOS-0800FT/R provides for the 8-Channel Simplex 24-Bit Digitally Encoded Analog Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

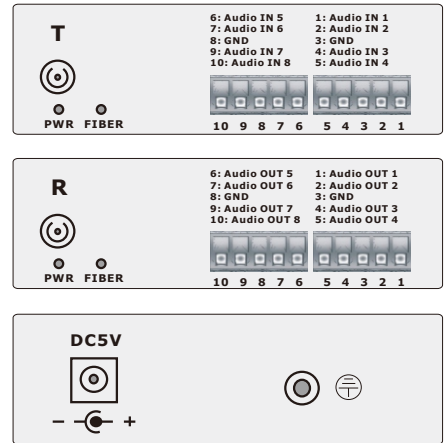
Stand-alone or rack-mount. All units of VOS-0800FT/R come in an insert card version. The cards can be inserted into our our 16-slot, 19inch 2U or 4U rack-mountable card cage (VOS-CH02, VOS-CH04).

Features

- Support Point-to-Point or Daisy-Chain connection
- 24-Bit Digitally Encoded Analog Audio over one fiber
- 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
- Produce according to customer's specifications, providing OEM

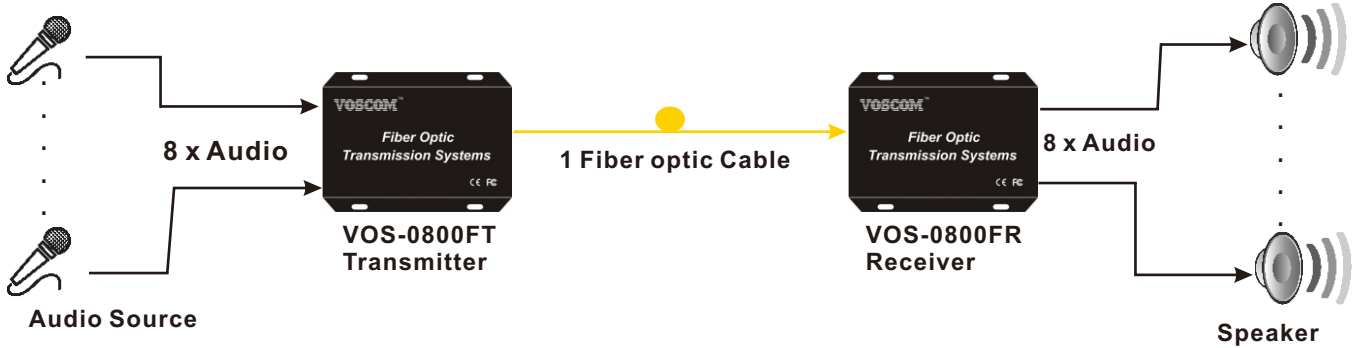


Panel

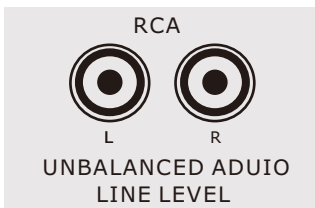


- Video
- 8** Audio
- Data
- Ethernet

Typical Configuration



Multiple Audio and Connectors



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

Analog Audio over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-0800FMT	VOS-0800FMR	Multi-Mode	1310nm	16dB	500m
VOS-0800FST	VOS-0800FSR	Single-Mode	1310nm	12dB	20km
VOS-0800FST-4	VOS-0800FSR-4	Single-Mode	1310nm	18dB	40km
VOS-0800FST-6	VOS-0800FSR-6	Single-Mode	1550nm	25dB	60km

Note:

- The Optical Power Budget data fit Multit-mode(62.5/125 μm),Single-Mode(9/125 μm).
- When using 50/125 μM. 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	• Connectors
Number of Channels: 8-Channel Simplex Audio Audio input/output Level: +4dBu nominal Audio Type: Unbalanced, Line Level Audio in/output impedance: 600Ω Frequency Response : 20Hz ~ 20KHz Sample Rate : 48KHz, 24K bit rate Signal-to-Noise Ratio(SNR): > 82 dB Distortion: <0.05%	Audio: Terminal Block Optical: FC/PC or ST/PC Optional Stand-Alone Power: Screw terminal block Rack Power: AC line cord
	• Electrical & Mechanical
	Input Power Requirements: DC 5V@1A Power Adapter: AC 100V~240V Power Consumption: < 3W Stand-Alone Dimensions: 104mm x 104mm x 28mm Shipping Weight: 1.0kg (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