2-Channel Simplex Analog Audio over Fiber with RCA (1-Channel Simplex Stereo Audio over Fiber)

Video

2 → Audio

Data

Ethernet

System Design

VOS-2RCA-FT/R provides for the 2-Channel Simplex (1-Channel Stereo) 24-Bit Digitally Encoded Analog Audio with RCA connector. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.
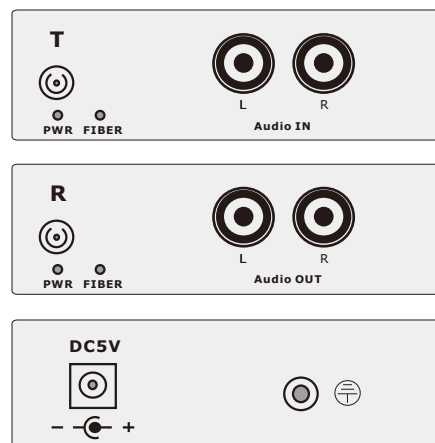
Stand-alone or rack-mount. All units of VOS-2RCA-FT/R come in an insert card version. The cards can be inserted into our our 14-slot, 19inch 2U or 4U rack-mountable card cage (VOS-CH02, VOS-CH04).
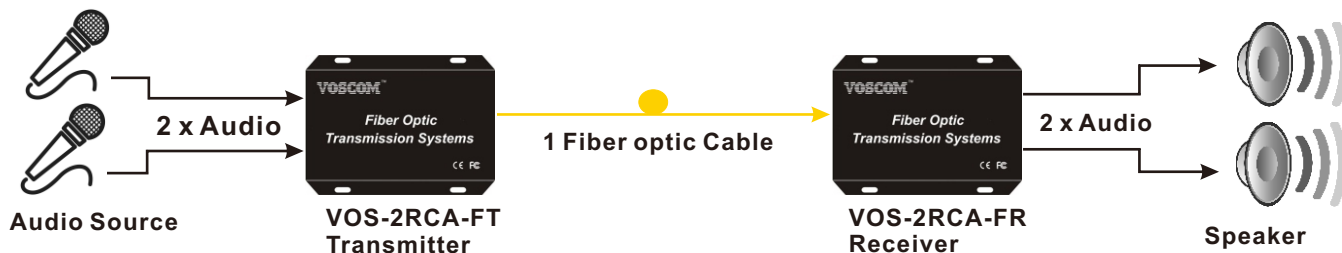
Features

- 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
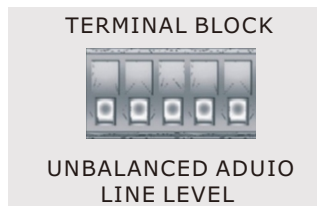- Produce according to customer's specifications,providing OEM

Panel

T — PWR FIBER — Audio IN — L R

R — PWR FIBER — Audio OUT — L R

DC5V — − +

Typical Configuration

2 x Audio VOSCOM Fiber Optic Transmission Systems — **1 Fiber optic Cable** — VOSCOM Fiber Optic Transmission Systems **2 x Audio**

Audio Source   **VOS-2RCA-FT Transmitter**   **VOS-2RCA-FR Receiver**   **Speaker**

Multiple Audio and Connectors

TERMINAL BLOCK	3.5mm TRS	XLR	XLR-COMBO
UNBALANCED ADUIO LINE LEVEL	UNBALANCED ADUIO STEREO AUDIO	BALANCED ADUIO LINE LEVEL	BALANCED ADUIO MIRCOPHNOE LEVEL

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

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-2RCA-FMT	VOS-2RCA-FMR	Multi-Mode	1310nm	16dB	500m
VOS-2RCA-FST	VOS-2RCA-FSR	Single-Mode	1310nm	12dB	20km
VOS-2RCA-FST-4	VOS-2RCA-FSR-4	Single-Mode	1310nm	18dB	40km
VOS-2RCA-FST-6	VOS-2RCA-FSR-6	Single-Mode	1550nm	25dB	60km

Note:
- The Optical Power Budget data fit Mulit-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

Number of Channels: 2-Channel Simplex Audio (1-Ch Simplex Stereo 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%

• Connectors

Audio: RCA Connector
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