# VOS-0100DT/R



# Fiber Optic Audio Transmission 1-Channel Duplex Analog Audio over Fiber

#### System Design

Video

Fiber Optic Audio Transmitter & Receiver VOS-0100DT/R provides for the 24-Bit digitally transmission of 1-Channel Duplex Analog Audio. Ideal for Broadcast /Studio, CCTV audio and Professional AV applications.

**←1**→ Audio

Stand-alone or rack-mount. All units of VOS-0100DT/R come in an insert card version. The cards can be inserted into our our 14-slot, 19inch 4U or 6U rack-mountable cardcage (VOS-CH04 or VOS-CH06).

Single-Mode or Multi-Mode,VOS-0100DT/R can support FC /PC or ST/PC Optical connector, can be used in Daisy-Chain system (Need to customize). The Transmission distance range according to the Optical Budget. Manufacturer's standard is: Single-mode 20km or Multi-mode 2km.

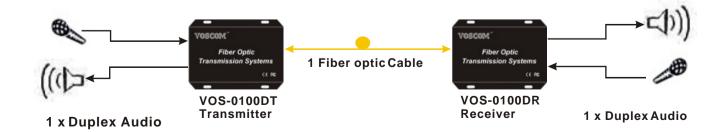


#### Ethernet

#### Features

- Support Point-to-Point or Daisy-Chain connection
- 24-Bit Digitally Encoded Audio over one fiber
- Multi-mode Fiber Support for Distances up to 2.0 km
- Single-Mode Fiber Support for Distances up to 100 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

## Typical Configuration



### Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power	Maximum Transmission
Transmitter	Receiver	Tibel Mode	waverengtins	Budget	Distance
VOS-0100DMT	VOS-0100DMR	Multi-Mode	1310nm/1550nm	16dB	2km
VOS-0100DST	VOS-0100DSR	Single-Mode	1310nm/1550nm	12dB	20km
VOS-0100DST-4	VOS-0100DSR-4	Single-Mode	1310nm/1550nm	18dB	40km
VOS-0100DST-6	VOS-0100DSR-6	Single-Mode	1310nm/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  $\mu$  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	• Connectors		
Number of Channels:1-Channel Duplex AudioAudio input/output Level:6 dBmAudio in/output impedance:600 Ω UnbalancedBandwidth:20Hz ~ 20KHzBit Resolution:24-BitSignal-to-Noise Ratio(SNR):> 80 dB	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@2APower Adapter:AC 100V~240VPower Consumption:< 3W		
	• Environmental		
	Operating Temperature: -45° C~+75° C Storage Temperature: -45° C~+85° C Relative Humidity: 0%~95% (non-condensing) MTBF: >100,000 hours		