

### Analog Audio Transmission

The OTS-8A provides for the transmission of 8 Channels of Analog Audio.

### System Design

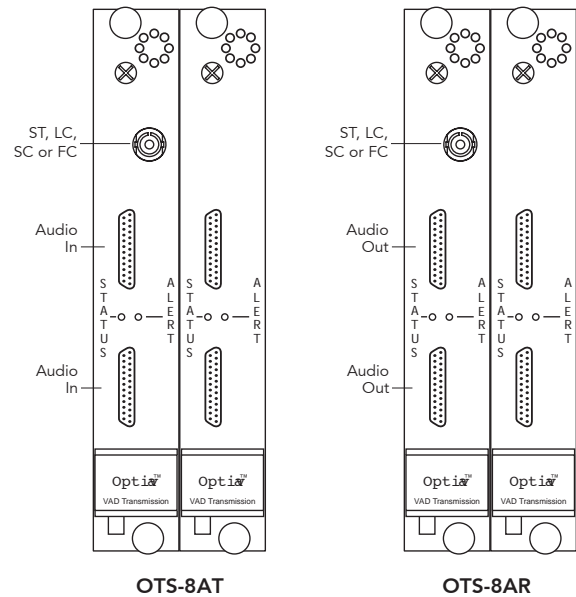
All units come in an insert card version. The cards can be inserted into our 16-slot, 19" rack-mountable card cage (OT-CC-16-100) or one of our smaller Optiva™ Desktop Card Racks (OT-DTCR Series).

The Optiva™ Desktop Card Racks can handle one, two or four insert cards, creating compact, mountable, stand alone systems. The use of separate OT-DTCR enclosures allows for future flexibility and expansion as all cards are hot-swappable and can be used in any enclosure. Each one of our card housing units operate with an appropriate power supply. See "Accessories" for power supply specifications.

### Optiva™ Upgrade Path

This system can be purchased without an optical port as an add-on to an existing Optiva™ system daisy-chain. (See "Non-Optical Version" below).

**The Optiva™ bandwidth requirement of this system is 40 Mbps.**



### Features

- Analog Audio over one fiber
- TDM - Single Wavelength
- Compatible with MDM-7000 Series for WDM and CWDM multiplexing
- No EMI or RFI and no ground loops
- Stand alone or rack-mount
- Ideal for Professional AV applications

Video



Audio

Data

### Versions Available\*

Wavelength (nm) & Fiber	Transmit**	Receive**	Optical Connector	Optical Budget (dB)	Range*** (km)	Form Factor
1310 Multimode	OTS-8AT-A1-XX-IC	OTS-8AR-A1-XX-IC	ST, FC, LC or SC	10	3	IC (1-slot)
1310 Singlemode	OTS-8AT-A2-XX-IC	OTS-8AR-A2-XX-IC	ST, FC, LC or SC	7	10	IC (1-slot)
1310 Singlemode (D)	OTS-8AT-A2D-XX-IC	OTS-8AR-A2D-XX-IC	ST, FC, LC or SC	12	20	IC (1-slot)
1550 Singlemode	OTS-8AT-A3-XX-IC	OTS-8AR-A3-XX-IC	ST, FC, LC or SC	17	40	IC (1-slot)
1550 Singlemode (D)	OTS-8AT-A3D-XX-IC	OTS-8AR-A3D-XX-IC	ST, FC, LC or SC	25	60	IC (1-slot)
1270-1610 SM (CWDM)	OTS-8AT-L4-XX-IC	OTS-8AR-L4-XX-IC	ST, FC, LC or SC	Varies	20-70	IC (1-slot)
<b>Non-Optical Version</b>	OTS-8AT-NOC-IC	OTS-8AR-NOC-IC	N/A	N/A	N/A	IC (1-slot)

Analog Audio Codes - To indicate your Analog Audio impedance preference, please use the following instead of "A" in the model number: "AB" = Input Balanced 600 Ohm, Output Balanced 600 Ohm; "ABH" = Input Balanced Hi-Z, Output Balanced Low-Z; and "AUH" = Input Unbalanced Hi-Z, Output Unbalanced Low-Z.

\* Contact Opticomm for other versions available.

\*\* XX indicates the type of optical connector. Each of ST, FC, LC or SC are available.

\*\*\* Chromatic dispersion and additional losses should be taken into account.

## Analog Audio

Level	6 dBm In/Out
Bandwidth	20 Hz to 20 KHz
Signal to Noise Ratio	> 80 dB
Total Harmonic Distortion	< 0.1%
Signal Coding	24-bit
Connector	Micro DB25

## Impedance Options:

Input	Output
Balanced 600 Ohm	Balanced 600 Ohm
Balanced Hi-Z	Balanced Low-Z
Unbalanced Hi-Z	Unbalanced Low-Z

## General

Dimensions & Weight	Insert Card (IC): 6.3" L x 0.8" W x 4.0" H 11 oz
Operating temperature	-20° C to +55° C
Storage temperature	-40° C to +85° C
Humidity	0 to 95% non-condensing
Operating voltage	9-12 V <sub>DC</sub>
Consumption	1 Amp Max per Insert Card
System Latency	Less than 10ms

**Local Monitoring** LED Status Indication

**Remote Monitoring** Compatible with OptivaView™  
SNMP Management Suite

Optiva™ Configurable  
Communication Platform

Network Management

SDI & HD-SDI

Composite Video,  
Audio & Data

RGB/VGA/DVI

**Audio/FSK/Intercom**

Data (Ethernet/Serial/USB)

CATV/RF & L-Band

Optical Switching, Routing  
& Redundancy

Passive Multiplexing  
Solutions

Enclosures, Racks  
& Frames

Power Supplies  
& Accessories

**10 YEAR WARRANTY**  
**ISO 9001:2000 CERTIFIED**



**FCC PART 15 COMPLIANT**

MADE IN THE USA

## Sample Configuration

