



Video

### Composite Video

The OTS-8V provides for the digital transmission of 8 Channels of Composite Video.

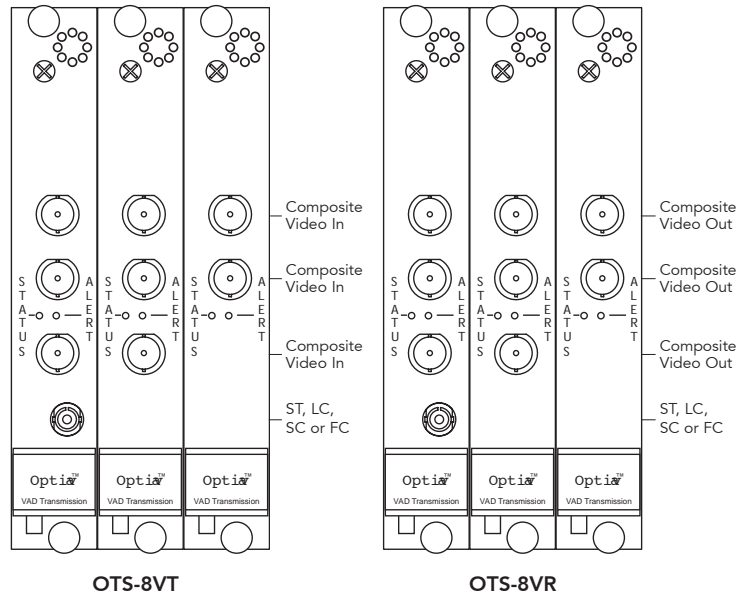
Audio

### 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).

Data

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.



### Features

- Composite Video over one fiber
- 10-Bit Digital Transmission
- TDM - Single Wavelength
- Complies with SMPTE standards for Video transmission
- 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 Broadcast Professional AV applications

### Versions Available\*

Wavelength (nm) & Fiber	Transmit**	Receive**	Optical Connector	Optical Budget (dB)	Range*** (km)	Form Factor
1310 Multimode	OTS-8VT-B1-XX-IC	OTS-8VR-B1-XX-IC	ST, FC, LC or SC	10	1.5	IC (3-slots)
1310 Singlemode	OTS-8VT-B2-XX-IC	OTS-8VR-B2-XX-IC	ST, FC, LC or SC	7	10	IC (3-slots)
1310 Singlemode (p)	OTS-8VT-B2D-XX-IC	OTS-8VR-B2D-XX-IC	ST, FC, LC or SC	12	20	IC (3-slots)
1550 Singlemode	OTS-8VT-B3-XX-IC	OTS-8VR-B3-XX-IC	ST, FC, LC or SC	17	40	IC (3-slots)
1550 Singlemode (p)	OTS-8VT-B3D-XX-IC	OTS-8VR-B3D-XX-IC	ST, FC, LC or SC	25	60	IC (3-slots)
1270-1610 SM (CWDM)	OTS-8VT-L4-XX-IC	OTS-8VR-L4-XX-IC	ST, FC, LC or SC	Varies	20-70	IC (3-slots)
<b>Non-Optical Version</b>	OTS-8VT-NOC-IC	OTS-8VR-NOC-IC	N/A	N/A	N/A	IC (3-slot)

\* 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.

# Composite Video, Audio & Data

## Video

Standard	SMPTE 170M; RS-250C
Bit Resolution	10-Bit Processing; 10-Bit Transmission
Level	1.0 Volt p-p
Bandwidth	5.5 MHz
Differential Gain	< 1%
Differential Phase	< 0.7°
Compatibility	NTSC, PAL
Signal to Noise Ratio	> 67 dB
Connector	BNC (IEC 60169-8)

## 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 1ms	

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



**FCC** PART 15  
COMPLIANT

MADE IN THE USA

## Sample Configuration

