

8 →

Video

Audio

↔ **2** ↔

Data

↔ **1** ↔

Ethernet

Composite Video, Ethernet and Serial Data

The OTS-8LV1ETR2DJTR provides for the digital transmission of 8 channels of Composite Video, 1 channel of Ethernet and 2 channels of RS-422 Serial Data.

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.

Upgrade Path

The system has an optional upgrade path to increase the amount of video channels from 8 to 16. Please contact your sales rep for details.

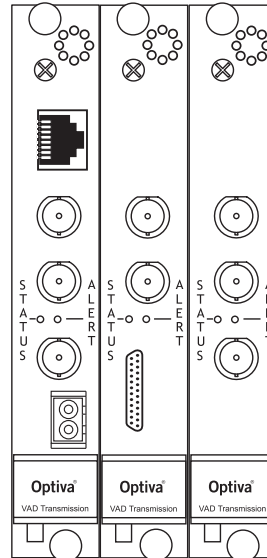
Optical Specifications

CWDM

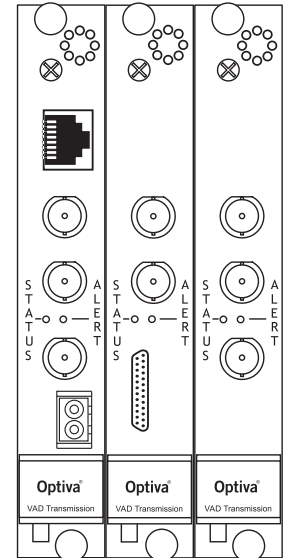
Tx Optical Output Power	>+2 dBm
Tx CWDM Wavelengths	1270-1610 nm
Rx Optical Overload	-8 dBm
Rx Optical Sensitivity	-30 dBm

CWDM Wavelength Codes

2.5G	Wavelength
L4A2	1270
L4B2	1290
L4C2	1310
L4D2	1330
L4E2	1350
L4F2	1370
L4G2	1390
L4H2	1410
L4I2	1430
L4J2	1450
L4K2	1470
L4L2	1490
L4M2	1510
L4N2	1530
L4O2	1550
L4P2	1570
L4Q2	1590
L4R2	1610



OTS-8LV1ETR2DJTR



OTS-8LVR1ERT2DJRT

Features

- 10-bit digital processing
- 10/100 auto-sensing Ethernet
- 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 Security Camera or CCTV Applications
- Dual fiber, CWDM wavelength

Models Available*

OTS-8LVT1ETR2DJTR-L4XX/L4XX-LC-IC
 OTS-8LVR1ERT2DJRT-L4XX/L4XX-LC-IC

* Substitution of CWDM optical wavelengths required to complet model numbers.

Composite Video, Audio & Data

Video

Bit Resolution	10-bit digital architecture
Level	1.0 Volt p-p
Impedance	75 Ohm
Bandwidth	- 3 dB @ 7 MHz
Differential Gain	< 2%
Differential Phase	< 0.7°
DC Offset	<150 mV
Compatibility	NTSC, PAL, SECAM
Signal to Noise Ratio	> 65 dB
Connector	BNC (IEC 60169-8)

Ethernet

Standard	IEEE 802.3 (auto-sensing)
Data Rate	10/100 Mbps
Connector	RJ-45

Data

RS-232	Up to 200 Kbps
RS-422	Up to 1 Mbit
RS-485 (2 wire)	Up to 1 Mbit
RS-485 (4 wire)	Up to 1 Mbit

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 _{DC}	
Consumption	< 7w 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
YEAR
WARRANTY



FCC PART 15
COMPLIANT

MADE IN THE USA