6 →

Video

Audio

Data

SDI Video Transmission

The OTS-6SD provides for the digital transmission of 6 Channels of uncompressed SDI Video, at absolute broadcast quality.

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).
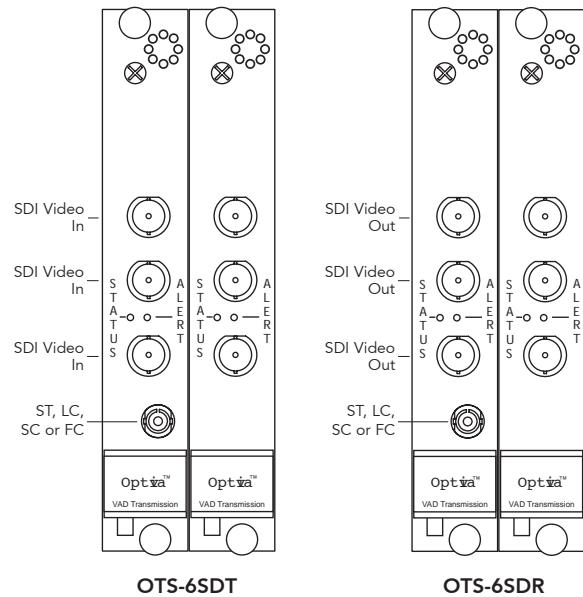
The Optiva™ Desktop Card Racks can handle one, two or four insert cards, creating compact, mountable, stand alone systems. The use of separate OT-DTCR enclosures allows for future flexibility and expansion as all cards are hot-swappable and can be used in any enclosure. Each one of our card housing units 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 2,106 Mbps.

OTS-6SDT   **OTS-6SDR**

Features

- Uncompressed SDI Video over one fiber
- TDM - Single Wavelength
- Complies with SMPTE 259 for uncompressed SDI
- 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/Studio and Professional AV applications

Versions Available*

Wavelength (nm) & Fiber	Transmit**	Receive**	Optical Connector	Optical Budget (dB)	Range*** (km)	Form Factor
1310 Multimode	OTS-6SDT-B1-XX-IC	OTS-6SDR-B1-XX-IC	ST, FC, LC or SC	10	1.5	IC (1-slot)
1310 Singlemode	OTS-6SDT-B2-XX-IC	OTS-6SDR-B2-XX-IC	ST, FC, LC or SC	7	10	IC (1-slot)
1310 Singlemode(D)	OTS-6SDT-B2D-XX-IC	OTS-6SDR-B2D-XX-IC	ST, FC, LC or SC	12	20	IC (1-slot)
1550 Singlemode	OTS-6SDT-B3-XX-IC	OTS-6SDR-B3-XX-IC	ST, FC, LC or SC	17	40	IC (1-slot)
1550 Singlemode (D)	OTS-6SDT-B3D-XX-IC	OTS-6SDR-B3D-XX-IC	ST, FC, LC or SC	25	60	IC (1-slot)
1270-1610 SM (CWDM)	OTS-6SDT-L4-XX-IC	OTS-6SDR-L4-XX-IC	ST, FC, LC or SC	Varies	20-70	IC (1-slot)
Non-Optical Version	OTS-6SDT-NOC-IC	OTS-6SDR-NOC-IC	N/A	N/A	N/A	IC (1-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.

Video

Standard	SMPTE 259
Pathological Test Code	RP-178
Bit Rate	270 Mbps
Bit error rate	10^{-14}
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_{DC}
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 YEAR WARRANTY
ISO 9001:2000 CERTIFIED

CSA CE

FCC PART 15 COMPLIANT

MADE IN THE USA

Sample Configuration

Video x 6   OTS-6SDT   1 Fiber   OTS-6SDR   Monitor x 6