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Video

HD-SDI Tri-Level Sync Generator

The Opticomm HD-SDI Tri-Level Sync Generator accepts an input of an uncompressed HD-SDI signal at 1.485Gbps (per SMPTE 292) and outputs a locally generated genlocked Tri-Level Sync reference signal as well as a loopback of the HD-SDI input. The generator will accommodate any HD Tri-Level Sync frame type defined under SMPTE 274, 295 and 296.

Audio

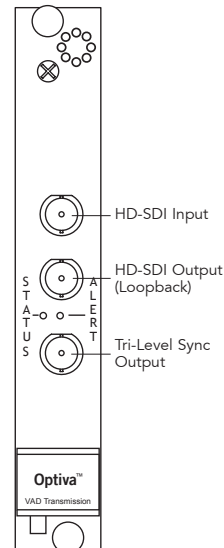
Data

The Tri-Level Sync can be used as a genlocked reference signal for HD broadcast and professional AV applications. The OT-HD-TRLSC-IC card would generally be used in conjunction with the Opticomm Optiva™ series optical communication platform. The card would typically be placed at the receive end of the HD-SDI uncompressed communication path to output a local sync for immediate reference.

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 Desktop Card Racks can handle one, two or four insert cards, creating compact, mountable, stand alone systems. The use of separate 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 comes with an appropriate power supply. See "Accessories" for power supply specifications.



OT-HD-TRLSC-IC



Each insert card comes with a label identifying the specific protocols handled, connector pin-out and other vital information.

Features

- Accepts Uncompressed HD-SDI Video per SMPTE 292
- Supports all HD Frequencies per SMPTE 274, SMPTE 295 and SMPTE 296
- Convenient Insert Card Form Factor
- Fits all Optiva Enclosures for Rack Mount and Stand Alone Applications
- Ideal for Broadcast and ProAV Applications

Video

Standard (HD-SDI)	SMPTE 292
Standard (Tri-Level Sync)	SMPTE 274, SMPTE 295 and 296
Pathological Test Code	RP-178
Nominal Bit Rate	1.485 Gbps
Connector	BNC (IEC 60169-8)

General

Dimensions (Insert Card)	160mm (6.3") L x 20mm (0.8") W x 102mm (4.0") H
Weight (Insert Card)	310 gms (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	1A Max per Insert Card

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**

CE

FCC **PART 15**
COMPLIANT

Emissions: FCC Part 15, ICES-003,
AS/NZS, 3548, EN55022
Immunity: ENVS0204,
EN61000-4-2,3,4,5,6,11
Safety: UL1950, CAN/CSA 22.2,
NO.950-95

MADE IN THE USA