12G-SDI video SFP+ Optical Transceiver

Ref. SFP-12G-OPT-TR

ANALOG WAY®
Pioneer in Analog, Leader in Digital

High performance 12G/6G/3G/HD/SD-SDI non-MSA video SFP+ optical transceiver, allowing to receive or transmit 4K60 4:2:2 10-bit signals over distances up to 20km using a single-mode fiber optic cable

12G-SDI video	4K60 4:2:2 10-bit	Single-mode fiber	up to 20 kms (12.4 mi)

Overview

The **SFP-12G-OPT-TX** module is a high performance 12G/6G/3G/HD/SD-SDI video SFP+ optical transceiver, compatible with LivePremier™ SFP+ input or output cards as well as with VIO 4K units equipped with 12G-SDI video expansion interface. It allows to receive or transmit 4K60 4:2:2 10-bit signals over distances up to 20 km (12.43 mi.) using a single-mode fiber optic cable (LC connectors). The **SFP-12G-OPT-TX** module supports SDI pathological test patterns and up to 8 embedded audio channels.

Key features

▸ 12G-SDI video non-MSA SFP+ optical transceiver (receiver or transmitter)
▸ Compatible with LivePremier™ SFP+ I/O cards and with VIO 4K (12G-SDI option)
▸ Single-mode fiber: distance up to 20 kms (12.43 miles)
▸ LC connector type
▸ Hot-pluggable module
▸ Supports signals up to 4K60 10-bit 4:2:2
▸ Compatible with SD-SDI, HD-SDI, 3G-SDI (Level A & B), 6G-SDI and 12G-SDI
▸ Superior jitter management and signal regeneration
▸ Support video pathological test patterns up to 12G-SDI
▸ Support BT.709 and BT.2020 color spaces - compliant with HDR
▸ Supports up to 8 embedded audio channels (PCM)

Dimensions
▸ W 0.53'' x H 0.33'' x D 2.22''
▸ L 13.4 mm x H 8.5 mm x P 56.5 mm

Weight without accessories
▸ 0.031 kg / 0.06 lbs

Shipping information
▸ shipped in a dedicated box

Operating conditions
▸ Temperature: 0 to 70°C (32 to 158°F)
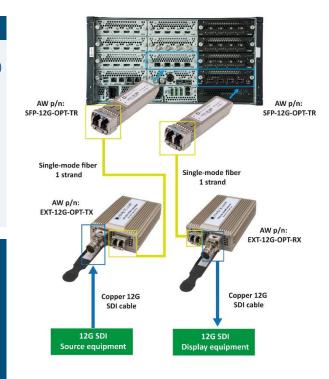▸ Humidity: 5% to 95%, non-condensing

Warranty
▸ 1-year warranty on parts and labor back to factory
▸ Broken connectors are not covered by warranty

Power supply
▸ Powered from Analog Way products

Safety Compliance
▸ Lead-free
▸ REACH and RoHS compliant
▸ Laser class 1

AW p/n: SFP-12G-OPT-TR
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Single-mode fiber 1 strand
Single-mode fiber 1 strand
AW p/n: EXT-12G-OPT-TX
AW p/n: EXT-12G-OPT-RX
Copper 12G SDI cable
Copper 12G SDI cable
12G SDI Source equipment
12G SDI Display equipment

ⓘ Specifications subject to change without prior notice