TELESTRIDER

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SDI MODE
1 2 3 4
Out
In 1 2 3 4
SELECT   PWR

SDI 1   SDI 2   SFP 1/2   SFP 3/4   SDI 3   SDI 4

PrismLink

High-Quality Quad-Channel
12G-SDI Converter

12G-SDI   HD-SDI   SD-SDI

PrismLink is a cutting-edge quad-channel converter designed to transform electrical 12G-SDI video signals into optical signals for transmission over distances of up to 60 km with no latency and preserved audio-video quality.

PrismLink enhances data transmission capacity over a single optical line by supporting various SFP modules, reducing infrastructure costs, and providing flexibility and scalability to your system. With support for 12G-SDI, 3G-SDI, HD-SDI and SD-SDI formats, it is compatible with a wide range of equipment.

The PrismLink converter ensures high reliability and signal stability, making it ideal for professional television and studio environments.
Its compact and rugged design allows it to be used in various conditions, from studios to outdoor locations.

The device features a graphical display for signal status monitoring, supports dual power sources for uninterrupted operation, and is available in both rack-mount and compact formats.

Key Features

Video and Audio Signal Transmission and Reception

- Support for 12G-SDI (SMPTE 2082-1), 3G-SDI (SMPTE 424M), HD-SDI (SMPTE 292M) and SD-SDI (SMPTE 259M) formats for both transmission and reception

- Four independent channels for signal transmission or reception

- Support for up to 16 channels of embedded audio (SMPTE 272M, SMPTE 299M)

Optical Interfaces

- Uses interchangeable SFP modules (SFP modules are not included)

Reclocking

- Clock frequency restoration

Monitoring and Indication

- Graphical display for signal status and parameters

- Signal presence indication, signal direction for each line (transmit or receive), optical signal status

Reliability

- Dual power source support for uninterrupted operation

- Indication of signal loss, attenuation and line faults

High Reliability and Stability
PrismLink converter provides stable and high-quality signal transmission even over long distances. Its robust and compact design makes it suitable for various conditions, from fixed studios and mobile TV stations to sports stadiums and remote locations.

Ease of Control and Management
Device configuration is managed via built-in switches and the graphical display.

Adaptability to Various Standards
PrismLink supports 12G-SDI, 3G-SDI, HD-SDI and SD-SDI formats, ensuring compatibility with diverse equipment and standardized operation in any usage scenario.

Flexible Installation
The device is available in both compact and rack-mount formats. Multiple units can be installed in a single rack chassis.

Specifications

Video Interfaces

- 4x 12G-SDI

Video Formats

- (4K) 4096x2160p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (2K) 2048x1080p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920x1080i 50, 59.94, 60
- (HD) 1280x720p 50, 59.94, 60
- (SD) 625i 50
- (SD) 525i 59.94
- RGB and YCbCr, 4:4:4/4:2:2, 10-bit

Video Input\Output Digital

- 4x 12G-SDI BNC, SMPTE 259/292/424/2081/2082
- Single Link SD/HD/2K/UltraHD/4K
- Single Link 3G-SDI Level A or B DL, SMPTE 425

Embedded Audio

- SMPTE 272M (SD): 20-bit, 48 kHz synchronous
- SMPTE 299M (3G/HD): 24-bit, 48 kHz synchronous
- Up to 16-channels supported

User Interface

- External DIP switch

Size

- 42x483x290

Network Interfaces

- 2x SFP+ (MSA, non-MSA)

Display

- Built-in status indication

Operating Temperature

+5°C to +40°C

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