

NXLK-IP40F

SDI-IP converter board with 3G-SDI and SFP+ ports



NETWORKED LIVE

Overview

SDI-IP conversion board

The NXLK-IP40F SDI-IP converter board provides 4x 3G-SDI ports and 2x SFP+ ports for redundancy for network connection. The NXLK-IP40F can convert the signal in a very low latency which enables live production over IP transmission where real-time operation is essential.

Features

Support SDI-IP conversion of 4K/HD signals

The NXLK-IP40F supports both 4K and HD video signals. Equipped with 4x 3G-SDI I/O ports, it can convert signals from SDI to IP and from IP to SDI.

Long distance signal transmission by SFP+ interface

The unit can transmit up to 300m using multi-mode fiber cable with the optional OTM-10GSR1 SFP+ transceivers.

SNMP capable to reduce equipment downtime

The unit supports Simple Network Management Protocol (SNMP). SNMP is in use worldwide for network and equipment monitoring. Its use allows remote monitoring and effective scheduling of maintenance for minimum disruption to your operations.

Specifications

General specifications

| | |
|--------------------|--|
| Power supply | DC 12 V (supplied from NXL-FR318) |
| Power consumption | 2.0 A 24 W (2 slot occupancy) |
| Dimensions | Main board: 114.5 × 28 × 275.8 mm (4 5/8 × 1 1/8 × 10 7/8 in.) (W × H × D) Connector board: 131 × 35.2 × 117.25 mm (5 1/4 × 1 7/16 × 4 5/8 in.) (W × H × D) |
| Mass | Main board: 240 g (8.5 oz.) Connector board: 160 g (5.6 oz.) |
| Temperature ranges | Operation guaranteed temperature: 5 °C to 40 °C (41 °F to 104 °F) Performance guaranteed temperature: 10 °C to 35 °C (50 °F to 95 °F) Storage temperature: -20 °C to +60 °C (-4 °F to +140 °F) |

I/O specifications - SDI

| | |
|-----------|---------------|
| Connector | BNC type 75 Ω |
|-----------|---------------|

Number of lines

Signal formats SMPTE ST 424, SMPTE ST 292-1

I/O specifications - REF OUT

Connector DIN 1.0/2.3 75 Ω

Number of lines 1

Signal formats HD tri-level sync signal, black burst signal (NTSC, PAL), SYNC signal (NTSC, PAL)

I/O specifications - NMI LAN

Connector SFP+

Number of lines 2

Signal formats 10GBASE-** (dependent on SFP+ transceiver module)
For details on supported SFP+ transceiver modules, contact your local Sony service representative.

Supplied accessories

Supplied accessories Operation manual (1)

Supported formats

SDI input/output

1920 x 1080 59.94i, LLVC
compression or uncompressed
1920 x 1080 50i, LLVC compression
or uncompressed
3840 x 2160 59.94p Level-A, 2SI or
SQD, LLVC compression
3840 x 2160 50p Level-A, 2SI or
SQD, LLVC compression

Related products



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OTM- 10GSR1

10GBASE-SR SFP+ Transceiver for Sony Networked Media Interface products



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PWS- 110NM1

IP Live System Manager Station



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NXL- FR316

SDI-IP signal processing unit



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NXLK- IP45F

AV Multiplexer/Demultiplexer Board



BPU-4800

4K / HD baseband processor unit and UHFR server for HDC-4800 system camera

Gallery

