

NXLK-IP45F

AV Multiplexer/Demultiplexer Board



NETWORKED LIVE

Overview

Ideal for handling audio and video signals in IP-based live production environment

The NXLK-IP45F AV Multiplexer/Demultiplexer Board is capable of multiplexing or demultiplexing audio and video over IP. The board separates audio over IP and video over IP signals from video over IP or SDI inputs, or combines both into an SDI with embedded audio signal.

Interconnects SDI-based equipment with IP-based infrastructure

Option board for the NXL-FR318 Signal Processing Unit

Video and audio format flexibility

The board provides support for Dante audio over IP format and can handle both HD and 4K video formats.

Features

Audio over IP and video over IP multiplexer

The NXLK-IP45F multiplexes audio over IP and video over IP signals and outputs an SDI signal with embedded audio.

Audio over IP and video over IP demultiplexer

The board demultiplexes audio from video over IP or an SDI signal with embedded audio and outputs separate audio over IP and video over IP signals.

SDI to IP conversion

The board is capable of converting SDI to IP under demultiplexer mode.

Supports major audio over IP format

The board provides support for Dante audio over IP format.

Supports HD/4K

The board can handle both HD and 4K video formats.

Specifications

General specifications

Power supply	DC 12 V (supplied from NXL-FR318)
Power consumption	2.5 A 30 W (3 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: Approx. 244 g (8.6 oz)
Connector board	Approx. 250 g (8.8 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

Connector	BNC type 75 Ω
Number of lines	Input/output: 4 Output: 4
Signal formats	SMPTE ST 424
Connector	SFP+
Number of lines	2
Signal formats	10GBASE-** (dependent on SFP+ transceiver module) For details on supported SFP+ transceiver modules (e.g., OTM-10GSR1), contact your local Sony service representative.
Connector	RJ-45
Number of lines	2
Signal formats	1000BASE-T

Supplied accessories

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Operation manual (1)

Supported formats

SDI input/output

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



NETWORKED LIVE

PWS-110NM1

IP Live System Manager Station



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OTM-10GSR1

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



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NXL-FR316

SDI-IP signal processing unit



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NXLK-IP40F

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



BPU-4800

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

Gallery

