

NXL-FR316

SDI-IP signal processing unit



Overview

The NXL-FR316 is a 3RU-sized rack-mountable frame which provides the power supply for optional boards.

Rack mountable frame for various SDI-IP option boards -NXLK-IP50Y, NXLK-IP51Y etc.

The NXL-FR316 is a 3RU rack mountable frame capable of holding up to 16 option boards. With two power supplies to provide redundancy, the unit is ideal for interconnecting SDI equipment with IP-based infrastructure.

16 Flexible Slots For SDI-IP Conversion Option Boards

With 16 open slots*, the NXL-FR316 signal processing unit enables flexible loading and combination of optional NXLKIP40F or NXLK-IP45F boards. This means you can configure the system to fit your precise requirements.

NXLK-IP50Y, one of option boards, supports both 4K and HD video signals. Equipped with 8x 1.5/3G-SDI I/O ports, it can convert signals from SDI to IP and from IP to SDI. As standard it supports SDI-IP conversion with frame synchronisation. This can be optionally expanded to up/down conversion and SDR/HDR conversion.

NXLK-IP51Y -12G SDI-IP Converter Board- offers two 1.5/3G-SDI bi-directional and two 12G-SDI x2 bi-directional ports, plus dual SFP28 (25Gb Ethernet) ports for network connection redundancy. Compatible with ST 2110-20/30/40 streaming formats and offering very low latency signal conversion, it's ideal for integration in real-time IP Live production environments.

NXLK-IP40F, supports 4K/HD signals for SDI-to-IP and IP-to-SDI conversions.

NXLK-IP45F, enables audio signal to be transmitted via IP as well. Status LEDs on the front panel of the unit allow real-time monitoring, with reference input and reference time input and output status provided.

*When used with the optional XLK-IP50Y or NXLK-IP51Y, available slots on NXL-FR316 are reduced to 12.

Specifications

General specifications

Power supply	AC 100 V to 240 V +/-10% 50/60 Hz, dual
Power consumption	800 W

Dimensions	440 x 132 x 440 mm (17 3/8 x 5 1/4 x 17 3/8 in.) (W x H x D)
Mass	Approx. 12 kg (30 lb. 14 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 - REFERENCE IN

Connector	BNC type (2), loop through 75 Ω
Number of lines	1 (loop through)
Signal formats	HD tri-level sync signal, black burst signal, SYNC signal

I/O specifications - STATUS OUT

Connector	D-sub 15-pin (female)
Signal formats	Open collector

I/O specifications - NETWORK

Connector	RJ-45
Number of lines	1
Signal formats	Ethernet 100Base-TX compliant

I/O specifications - AUX-IN

Connector	BNC type (1)
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Supplied accessories

Supplied accessories	Operation manual (1)
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Optional accessories

Optional accessories	RMM-10 rack mount bracket Power cord (Service Parts No.: 1-557-377-11 (USA, Canada), 1-782-929-22 (EU))
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Related products



OTM-25GLR1
SFP28 Optical Transceiver Module (LR)



NXLK-IP50Y
SDI-IP Converter Board with eight 1.5/3G-SDI ports, supporting SMPTE ST 2110 in HD/4K and HDR



PWS-110NM1
IP Live System Manager workstation



NXLK-IP51Y
12G SDI-IP Converter Board with two 1.5/3G-SDI and two 12G-SDI ports, supporting SMPTE ST 2110 in HD/4K and HDR



PWSK-4506F
Networked Media Interface Board for PWS-4500 Live Server



NXLK-IP40F
SDI-IP converter board with 3G-SDI and SFP+ ports



OTM-10GSR1
10GBASE-SR SFP+ Transceiver for Sony Networked Media Interface products



NXLK-IP45F
AV Multiplexer/Demultiplexer Board

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