

NI-360R

Single Channel Modular Fiber Optic Receiver Card

KEY FEATURES

- Receive and convert optical signals to electrical 3G-SDI/HD-SDI and ASI
- Perfectly suited for keeping main and reserve channels on separate physical cards

Fiber Optic Receiver Card, Auto-Sensing and relocking for SDI/ASI/HD-SDI and 3G-SDI.

The NI-360R is a receiver for the conversion of optical signals into electrical 3G-SDI, HD-SDI, and ASI. The incoming optical signal is fed to a trans-impedance and limiting amplifier before being electrically relocked on the outputs.

All NI cards are designed to retain maximum integrity of the signal path offering excellent jitter free optical transport. Two serial digital signals are available on the output.

The NI-360 cards suit applications where customers wish to keep main and reserve channels on separate physical cards for redundancy.

The NI-360R occupies a single slot in any of the Nimbra 140 MMS series chassis, Nimbra 143 (3RU), Nimbra 141 (1RU) or the 3-slot enclosure, NI-120. The card is hot-swappable.

The NI-360R can be fitted with a wideband receive SFP to suit any fiber application.



TECHNICAL SPECIFICATIONS

Optical Input

SFPs for different applications are ordered separately

Electrical Output

Standards	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE297M, DVB-ASI Automatic rate selection for 3G, HD-SDI and SD-SDI data rates.
Connector	2 x 75 Ohm BNC per IEC 60169-8 Amendment 2
Return Loss	> 15 dB @ 1.485 Gb/s
Polarity	2 x Non inverting
Signal Level	800 mV +/- 10%
DC Offset	0 +/- 0.5 V
Jitter	<0.15 UI line equalised
Format	Reclocked

General Card Specifications

Depth:	60 mm
Width:	20 mm 4TE
Height:	129 mm (3RU)

Weight:	100 g
Operating Temp:	-30 to +70°C
Power:	3 W
Signal detect:	LED on for loss of signal
No. of slots:	1

Conformance

EMI/RFI	Complies with 2004/108/EC
Electrical	Complies with EN 61000-6-1, EN61000-6-2
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
RoHS	Complies with Directive 2002/95/EC

Ordering Information

NPS0065-14R1	NI-360R. Single Channel 3G/SDI Fiber Optic Receiver Card, Auto-Sensing and reclocking for SDI, ASI, HD/SDI and 3G/SDI - no optics fitted.
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VIDEO SFP modules

Standard Wavelengths

NPA0062-X2R1	VR/S/SFP	SM 2-chan RX 1260-1620nm
NPA0062-MRT1	VTR/S/SFP	SM 2-chan TX/RX 1310nm,

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