

# NI-362R

## Dual Channel Fiber Optic Receiver Card

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

The NI-362R is a receiver for the conversion of two independent optical signals into electrical 3G-SDI, HD-SDI, SD-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 each output.

The NI-362R 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 NI-362R can be fitted with singlemode, WDM and CWDM SFPs to suit any fiber application.

### KEY FEATURES

- Dual Optical to Electrical Receiver 3G-SDI, HD-SDI, SD-SDI, ASI
- Available with multimode, singlemode, WDM and CWDM SFPs



# 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

(with bypass to support data rates down to 10 Mb/s)

## Ordering Information

NPS0066-14R1 NI-362R  
Dual Channel 3G/SDI FiberOptic Receiver Card, Auto-Sensing and reclocking for SDI, ASI, HD/SDI and 3G/SDI - no optics fitted.

## VIDEO SFP modules

Standard Wavelengths		
NPA0062-M2T1	VT/S/SFP/13/13 1310nm	SM 2-chan TX
NPA0064-3155	VT/S/SFP/ CWDM/31/55 1310nm,1550nm	SM 2-chan TX
NPA0062-X2R1	VR/S/SFP 1260-1620nm	SM 2-chan RX
NPA0062-MRT1	VTR/S/SFP RX 1310nm,	SM 2-chan TX/
CWDM Wavelengths		
NPA0064-2729	VT/S/SFP/CWDM/27/29 1270/1290nm	SM 2-chan TX
NPA0064-3133	VT/S/SFP/CWDM/31/33 1310/1330nm	SM 2-chan TX
NPA0064-3537	VT/S/SFP/CWDM/35/37 1350/1370nm	SM 2-chan TX
NPA0064-3941	VT/S/SFP/CWDM/39/41 1390/1410nm	SM 2-chan TX
NPA0064-4749	VT/S/SFP/CWDM/47/49 1470/1490nm	SM 2-chan TX
NPA0064-5153	VT/S/SFP/CWDM/51/53 1510/1530nm	SM 2-chan TX
NPA0064-5557	VT/S/SFP/CWDM/55/57 1550/1570nm	SM 2-chan TX

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