

# NI-362T

## Dual Channel Fiber Optic Transmitter Card

### KEY FEATURES

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

### Fiber Optic Transmitter Card, Auto-Sensing and reclocking for SDI/ ASI/HD-SDI and 3G-SDI

The NI-362T is a transmitter card for the conversion of two independent 3G-SDI, HD-SDI, SD-SDI and ASI signals into fiber optical cable. Each incoming signal is auto-sensed and then equalised prior to conversion and transmission down a separate single optical fiber. All cards are designed to retain maximum integrity of the signal path offering excellent jitter free optical transport.

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



# TECHNICAL SPECIFICATIONS

## Electrical Input

Standards	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE297M, DVB-ASI
Equalisation	Automatic to 100 m @ 3 Gb/s Automatic to 200 m @ 1.485 Gb/s Automatic to 300 m @ 270 Mb/s Equaliser and reclocking can be bypassed to support data rates down to 50 Mb/s
Connector	75 Ohm BNC per IEC 60169-8 Amendment 2
Return Loss	> 15 dB @ 1.485 Gb/s

## Electrical Output

Connector	75 Ohm BNC per IEC 60169-8 Amendment 2
Return Loss	> 15 dB @ 1.485 Gb/s
Polarity	Non inverting
Signal Level	800 mV +/- 10%
DC Offset	0 +/- 0.5 V
Jitter	<0.15 UI line equalised
Format	Driven active loop out

## Optical Output

SFPs for different applications are ordered separately

## 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 104.010 & 104.011
RoHS	Complies with Directive 2002/95/EC

## Ordering Information

NPS0066-14T1	NI-362T, Dual Channel 3G/SDI Fiber Optic Transmitter 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/ RX
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

## Net Insight AB (publ)

Phone +46 (0)8 685 04 00, info@netinsight.net, www.netinsight.net

The information presented in this document may be subject to change without notice. For further information on product status and availability, please contact info@netinsight.net or visit www.netinsight.net ©Copyright 2015, Net Insight AB, Sweden. All rights reserved. Net Insight and Nimbra are trademarks of Net Insight AB, Sweden. All other registered trademarks are the property of their respective owners.

