

# NI-360T

## Single Channel Fiber Optic Transmitter Card

### KEY FEATURES

- Converts transmitted optical signals to electrical 3G-SDI, HD-SDI and ASI
- Perfectly suited for keeping main and reserve channels on separate physical cards

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

The NI-360T is a transmitter for the conversion of 3G-SDI, HD-SDI, SD-SDI and ASI signals into fiber optical cable. The incoming signal is auto-sensed and then equalised prior to conversion and transmission down a single optical fiber. All NI series card are designed to retain maximum integrity of the signal path offering excellent jitter free optical transport.

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

The NI-360T 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-360T can be fitted with singlemode, WDM and CWDM SFPs to suit any fiber application.



# TECHNICAL SPECIFICATIONS

## Electrical Input

Standards	SMPTE 424, 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 104.0.10 & 104.0.11
RoHS	Complies with Directive 2002/95/EC

## Ordering Information

NPS0065-14T1	NI-360T
Single 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	SM 2-chan TX 1310nm
NPA0062-X2R1	VR/S/SFP	SM 2-chan RX 1260-1620nm

### CWDM Wavelengths

NPA0063-1270	VT/S/SFP/CWDM/1270	SM 1-chan TX 1270 nm
NPA0063-1290	VT/S/SFP/CWDM/1290	SM 1-chan TX 1290 nm
NPA0063-1310	VT/S/SFP/CWDM/1310	SM 1-chan TX 1310 nm
NPA0063-1330	VT/S/SFP/CWDM/1330	SM 1-chan TX 1330 nm
NPA0063-1350	VT/S/SFP/CWDM/1350	SM 1-chan TX 1350 nm
and so on		
NPA0063-1590	VT/S/SFP/CWDM/1590	SM 1-chan TX 1590 nm
NPA0063-1610	VT/S/SFP/CWDM/1610	SM 1-chan TX 1610 nm

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