Linking People Together

Repeat8-NANO OUT Converter   Repeat8-NANO IN Converter

High performance, low-latency signal transport solutions for transporting and distributing video and control data.

Key Features

- 4 video channels
- 3G/SDI input to fiber transmitter with input reclockers (NANO IN)
- Fiber input to 3G/SDI BNC output with output reclockers (NANO OUT)
- Plug and Play - no configuration required
- Channel status LEDs
- PSU included
- Low power consumption
- Robust metal housing
- Mounting plate included

Description

The Repeat8-NANOs are two compact repeater devices which convert up to 4-channels of 3G/SDI to fiber and back. The bright LEDs indicate input signal presence on each port, as well as LEDs for status of the power supplies. The Repeat8-NANO is equipped with a mounting plate for secure and solid attachment.

Connectivity

The Repeat8-NANO provides up to four 3G/SDI coaxial video inputs or outputs that are converted to/from single-mode optical fiber. Additionally, they also support MADI signals. The Repeat8-NANO can be equipped with optical transceivers that cover up to 80km quality loss less transmission. With the high selection of optical transceivers, this device can be part of any WDM-based system. The Repeat8-NANO devices are plug-and-play, without the need for configuration or software operation.

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Technical Specifications

Video
Standards: SD, ED, HD, Dual Link, 3G
Complies with SMPTE: 292M, 295M, 297M, 305M, 310M, 424M
Compliant to: DVBASI, MADI
Interface: SDI – Serial Digital Interface

Optical Connection
Complies with 21 CFR 1040.10 and 1040.11

Connection: LC
Data Rate: Dependent on the Video data rate

Fiber cable lengths:
Standard singlemode transceivers: ≤ 10 km
Special singlemode transceivers: ≤ 80 km
(on request)

Power Supply
Type: External PSU
Main Voltage: 100-240V
Frequency: 50-60 Hz
Output Voltage: 5V
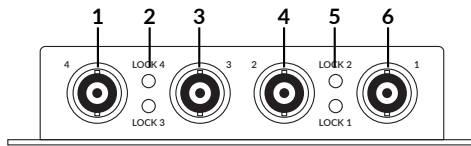**Output current:** 1A

Dimensions
With Mounting Plate:
0.80 x 4.4 x 4.5 in (HxWxD)
(20 x 112 x 113 mm)

Without Mounting Plate:
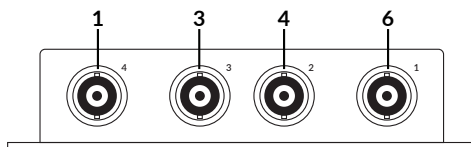0.80 x 4.5 x 3.8 in (HxWxD)
(20 x 113 x 97 mm)
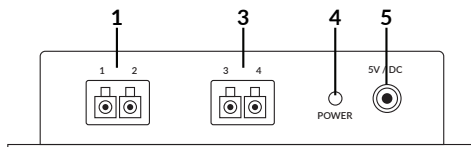
Weight
10 oz (0.28 kg)
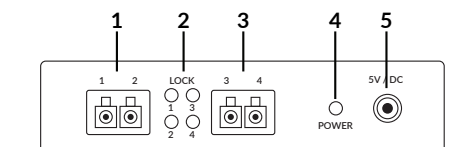
Right Side

Repeat8-NANO IN

Repeat8-NANO OUT

Left Side

Repeat8-NANO IN

Repeat8-NANO OUT

Legend

Right Side
1. SDI 4 BNC
2. SDI IN Indicators
3. SDI 3 BNC
4. SDI 2 BNC
5. SDI Indicators
6. SDI 1 BNC

Left Side
1. Fiber 1, 2
2. Optical Lock Indicators
3. Fiber 3, 4
4. Power Indicator
5. Power Connector

Order Codes

Repeat8-NANO-4IN-3G

Repear8-NANO-4OUT-3G

Repeat8-NANO-2IN-2OUT-12G

Transceiver Module Selections:

SM320S31TTCD:
for Repeat8-NANO-4IN-3G

SM340SWRRCD:
for Repeat8-NANO-4OUT-3G

SM1220S31TRCD:
for Repeat8-NANO-2IN-2OUT-12G

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