

BroaMan Repeat8-NANO Quad Converter

3G-SDI BNC to OPTICAL CONVERTER or OPTICAL to 3G-SDI BNC Converter

Small size
High performance



Repeat8-NANO 4IN

features:

- **4 video channels**
 - 3G-SDI input to fiber transmitter
 - Input reclockers
- **No configuration required,**
Plug and play device
- **Channel status LEDs**
- **PSU INCLUDED**
- **LOW Power consumption**
- **Robust metal housing**
- **Mounting plate included**

Repeat8-NANO 4OUT

features:

- **4 video channels**
 - Fiber input to 3G-SDI BNC output
 - Output reclockers
- **No configuration required,**
Plug and play device
- **Channel status LEDs**
- **PSU INCLUDED**
- **LOW Power consumption**
- **Robust metal housing**
- **Mounting plate included**

The Digital Video Network developed by BroaMan, provides scalable, protocol independent, routing, repeating, transport and distribution of multiple professional video signals, such as 3G-SDI, over optical fiber.

Complete BroaMan systems are built from a collection of modules that include; coaxial and optical I/O, routers, repeaters, and optical multiplexers. Using the modular BroaMan building blocks, any system configuration can be realized.

BroaMan systems are specified and built to provide an application engineered solution, tailored to the requirements of the customer. The modular nature of BroaMan paves the way for construction of fully cost optimized systems.

Repeat8-NANO are two simple modules which convert 3G-SDI to fiber and back. Similar to it's "big brother" Repeat48, is features high performance at low cost.

Repeat8-NANO is a compact housing device, capable of up to four 3G-SDI coaxial video inputs or outputs that are converted to/from single-mode optical fiber. Additionally Repeat8-NANO supports MADI signals.

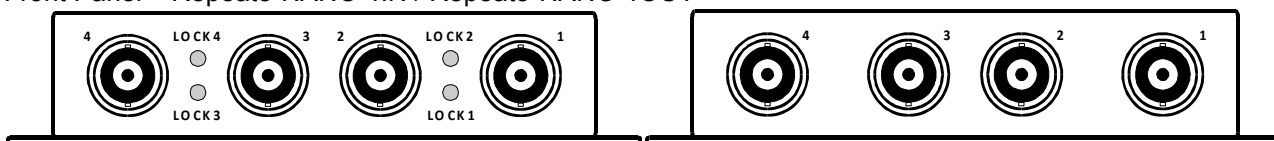
Repeat8-NANO can be equipped with optical transceivers that cover up to 80km quality loss less transmission. Thanks to high selection of optical transceivers this device can be a part of any WDM based system.

The robust chassis provides LEDs indicating input signal presence on each port as well as LEDs for status of the power supplies. The device is equipped with mounting plate which allows for secure and solid attachment.

Repeat8-NANO requires no user configuration or software operation. Repeat8-NANO are fully PLUG-AND-PLAY devices ready to be used once unpacked from the box.

Line Drawings

Front Panel – Repeat8-NANO 4IN / Repeat8-NANO 4OUT



Rear Panel – Repeat8-NANO 4IN / Repeat8-NANO 4OUT



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
Mains voltage	100... 240 V
Frequency	50 60 Hz
Output voltage	5V
Output current	1A
Power consumption	5 W

Mechanical Data	
Dimensions (L x D x H)	112mm x 113mm x 20mm
Dimensions (L x D x H) without mounting plate	97mm x 113mm x 20mm

Package content	
External PSU, mounting plate.	

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