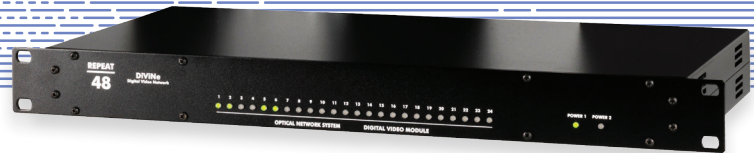


# Repeat48 Series

BroaMan Video Network Solutions

Linking  
People  
Together



Repeat48

## Key Features and Benefits

- Up to 24 3G/HD/SD or 12 duplex MADI channels-to-fiber converters
- Each dual module can be factory set for input or output
- Redundant power supplies
- WDM option for I/O to 3rd party auxiliary fiber on LC

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

## Description

The Repeat48 Series is a video or MADI BNC repeater over fiber with up to 12 dual-channel electrical-optical-electrical 3G/HD/SD-SDI or MADI modules which provide 24 BNC Coax-to-fiber repeater ports. Each port is configured by the factory to be either input or output. Redundant PSUs are included. The Repeat48 WDM options provide a built-in WDM for auxiliary ports.

## Connectivity

The Repeat48 Series provides for up to 24 3G/HD/SD or MADI signals on BNC-to-fiber conversion. The Repeat48 WDM options include a WDM for up to 16 LC ports and 24 BNC ports.

### Technical Specifications

#### Optical Link

**Connection:** Duplex LC

**Protocol:** Optocore

**Transmission:** Full Duplex

#### Fiber Cable Lengths:

Standard singlemode transceiver ≥10 km

Special singlemode transceiver ≥ 80 km (on request)

#### Auxiliary Ports

Duplex LC fiber

Protocol independent

#### Video

**Standards:** SD, ED, HD, Dual Link, 3G

**Complies with SMPTE:** 259M, 292M, 344M, 372M, 424M

**Interface:** SDI – Serial Digital Interface

#### Optical Connection

Complies with 21 CFR 1040.10 and 1040.11

#### Power Supply

**Type:** Switch-mode, universal input

**Main Voltage:** 100-240 V; 50-60 Hz

**Frequency:** 50-60 Hz

**Cooling:** Passive, via surface and ventilation openings on both sides of the device

#### Dual Redundancy

#### Dimensions

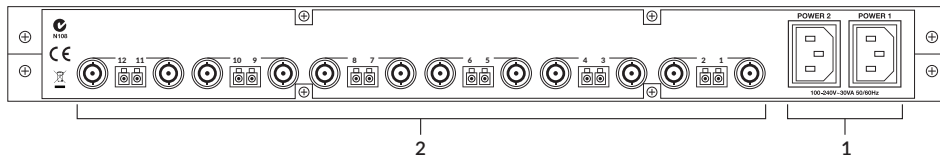
1.73 x 19 x 7.87 in (HxWxD)  
(44 x 483 x 200 mm)

#### Weight

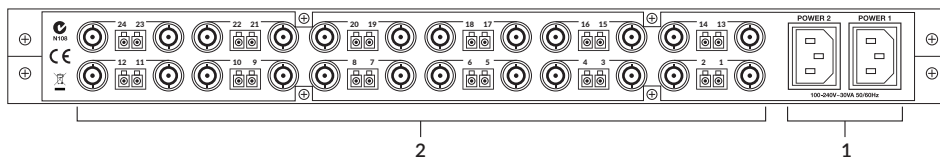
Dependent on configuration

### Back Panels

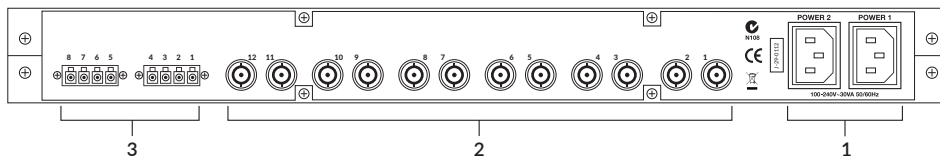
Repeat48 - 12



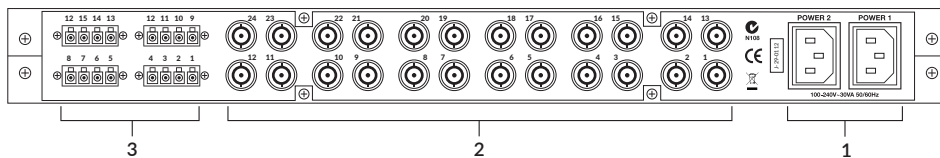
Repeat48 - 24



Repeat48 - WDM 12



Repeat48 - WDM 24



### Legend

#### Back Panels

1. Dual PSU
2. 3G/HD/SD-SDI
3. AUX + COM

### Order Codes

Repeat48-12

Repeat48-24

Repeat48-WDM-12

Repeat48-WDM-24