

ONE INVESTMENT – HUGE COST SAVINGS

BroaMan products are designed to not only meet customer budgets with bespoke technology but also to save costs for many years after purchase

1. FIBER CABLING

Fiber cabling offers the best cost-performance ratio – it enables almost limitless transport of thousands of different signals. Every modern building, OB Van or studio is equipped with multiple fiber cabling and is based on fiber infrastructure. The reason for that is fiber being the most future-proof medium, it can be deployed in multiple different systems – video, audio, communication, network, control, etc.

BroaMan systems have been designed for a future, which is fiber-based. All transport protocols run on singlemode or multimode fiber, providing one platform for all types of audio, video and data signals.

2. THE LOWEST POWER CONSUMPTION

BroaMan devices feature very efficient power supplies. Each device, even the most complex one, offering multiple channel routing, requires only around 20W of power. The large system consumes less power than a basic vacuum cleaner or, moving to the technical world, 10 times less than an Ethernet switch. It is easy to calculate the savings on electricity throughout the years...

3. LOW WEIGHT, SMALL SIZE

Most BroaMan products fit in 1RU space and weigh between 3-5 kg. Small size and weight brings significant cost savings. In OB Van or touring application it's the gas and the loading volume, while in installed systems it's precious rack space – for big devices you might need additional room or rack to fit them all, with BroaMan this problem doesn't exist.

4. DURABILITY

One of the biggest advantages of devices produced by BroaMan is the durability. We use the best and most durable components in the market, and unique technology and quality control while assembling the devices. Due to this, the warranty is extended to five years with no extra charge, which means you don't need to cover any additional budget for repairs – those devices just don't break. Life time is much longer than five years and because each product is based on FPGA processing it is easy to upgrade the system to the newer functionalities.

5. LABOUR

In current times cost savings highly influence man-power. BroaMan offer a solution that can be prepared as plug&play with no configuration required. Even if configuration is required to meet the specific customer's needs on site, it can be done within one day, even for the most complex systems.

Additionally BroaMan offers unique Automatic Routing which saves a lot of time when preparing a show. It makes it very fast to change setup and doesn't require a skilled and trained crew – which saves both time and the costs of a skilled engineer.





Broadcast Manufactur

UNIQUE PRODUCT FEATURES

USP BroaMan Products	Key Features
Mux22	Video, Audio, Intercom and Data on single platform, on the same fiber
	Audio single-channel Routing by Optocore®
	Integration with audio consoles - Digico, Lawo, Yamaha, SSL, Studer, Soundcraft-networked by Optocore®
	Integration with intercom systems - Clear-Com, RTS, Riedel, GreenGo
	LAN transport and switching
	GPIO, RS485, RS422 (also non-symmetric RS422 for Sony) transport
	Sync transport as well as sync format conversion - WC, Black Burst, Tri-Level
	Compatible with 3rd party products
	P2P as well as Star, Mesh, Daisy Chain topologies
Repeat48	Simple single-channel media converter for up to 24 channels
	Hot-swappable SFPs
	Compatible with 3rd party products
	No routing, no processing = moderate price
Repeat48 WDM	Up to 24-channels multiplexed
	Multiple multiplexers available in one chassis
	Customer specifies how many channels on single fiber
	Customer specifies how many additional tunnels
	Customer can specify each CWDM wavelength
Compatible with 3rd party products	
Route66	FPGA based design
	Multiple different functionalities - 40x40 SFP-based Video Router, Protocol-free Fiber Patchbay, Optocore/Digico AutoRouter, Video AutoRouter
	Router for different formats - 3G-SDI, HD-SDI, SD, Optocore®, 3rd party fiber protocols
	Management from Optocore®Control software or any 3rd party software or hardware
	Simple integration with Optocore®audio products
	P2P as well as Star, Mesh, Daisy Chain topologies



ADVANTAGES OF THE PRODUCT GROUPS

REPEAT48 ADVANTAGES

- ✓ 3G-SDI, ASI, MADI, 4k ready
- ✓ 1 RU installation friendly
- ✓ built in two redundant power supplies, no external psu needed
- ✓ all connection on rear side (back) installation friendly. Front: status information, no cabling, no service buttons
- ✓ best price-performance ratio on market,
- ✓ lowest power consumption <20W
- ✓ comes in a frame ready to install; simple to use
- ✓ designed and manufactured in Germany
- ✓ built in WDM modules
- ✓ single fibre for multiple combination of channels
- ✓ possibility to build in fibre optic tunnels for Optocore or 3rd party devices as cameras, Ethernet switches

ROUTE66 ADVANTAGES

Video and multiplexing advantages as for Repeat48/Repeat48WDM

Additional advantages:

- ✓ single channel non blocking router 40/40
- ✓ fully protocol independent device
- ✓ fully IP based communication
- ✓ Route66 can become a part of Array of Video AutoRouting System (SVT, Coronation Street)
- ✓ advanced network from Optocore for monitoring, control, audio and intercom (ClearCom, RTS, Riedel etc.)

MUX22 ADVANTAGES

Video and multiplexing advantages as for Repeat48/Repeat48WDM.

Additional advantages:

- ✓ adds Audio / Intercom Modules to form video-audio-intercom solutions in 1 RU
- ✓ fully compatible to all Optocore Audio devices
- ✓ extremely flexible and proof for system upgrade
- ✓ fully IP based communication
- ✓ advanced network from Optocore for monitoring, control, audio and intercom (ClearCom, RTS, Riedel etc.)

