

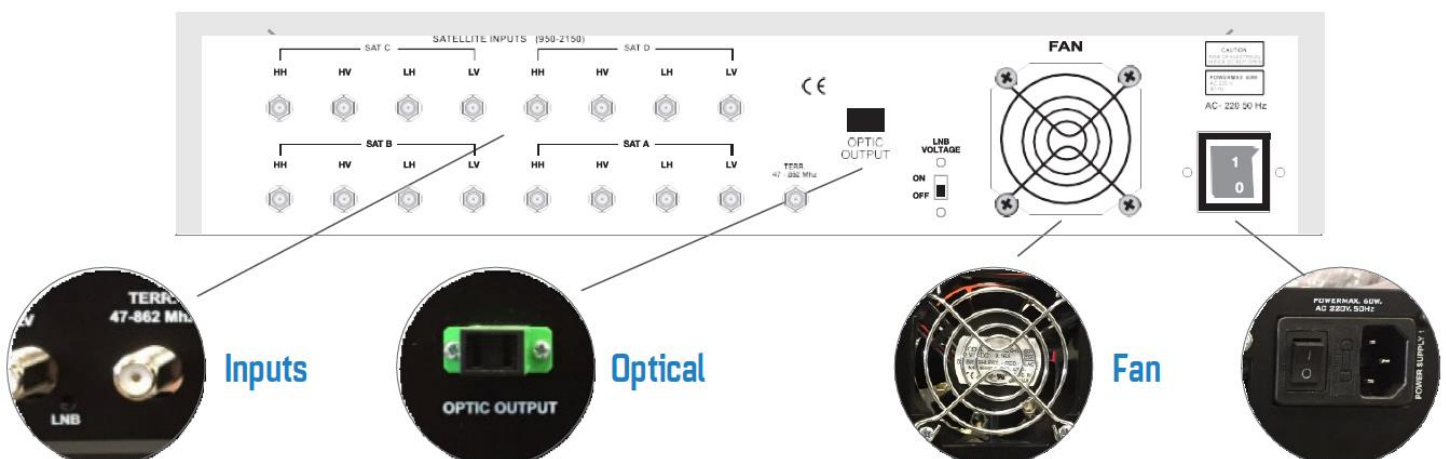
Fiber optic Transmitter for 4x SAT + 1x Terrestrial



This fiber optic transmitter is for standard quattro LNB usage to deliver up to 4 SAT positions (+ terrestrial) via 1 CWDM – Fiber to a headend which is kilometers away w/o any attenuation or slope loss

Main Features

- 4 Satellites (16x Quad Quattro L/C-band MDU LNB support)
- RF transported over a single fiber optic cable available as 4dBm and 8dBm
- Up to 64 optical signals can be splitted
- Front panel: Gain adjustment for each input
- Voltage LED Indicators
- LNB voltage short circuit protection
- LNB voltage control enabled with on-off switch
- Automatic fan cooling system
- Isolated linear DFB laser CWDM standard wave operating range
- 47-870 MHz (Digital Terrestrial)
- 950-2150 MHz (SAT- IF) working bandwidth
- Built-in high linear AGC amplifier BPF 41-8 transmitter (standard)
- BPF 41-8 transmitter with internal tilt level adjustment (standard)
- Electromagnetic resistance
- High RF resistance against heavy thunderstorms
- Easy installation and application



Technical Specifications

Input	17 F-female connectors (16 IF+1RF) (75 Ohm)
Output	1 SC/APC (Full Band) Optik connector
SAT Frequency Range	950-2150 MHz
TERR Frequency Range	47-870 MHz
SAT Gain	23dB ± 2
TERR Gain (DVB-C/DVB-T)	15dB ± 1
Gain Settings	0..15dB (multi trim-potentiometer)
Optical Output Power	4 mW (6dBm) (or 8mW version for longer distances)
Optical Wavelength	1270...1570nm (CWDM)
Max. TERR Signal Input	90 dB ±3
Max. SAT Signal Input	80 dB ±3
Power Supply	100-240 VAC 50W
Operating Temperature	-40+85°C
Dimensions	480x285x90mm
Weight	4300 gr

Accessory: Optical splitter available



1/64 Optical splitter

Corresponding product:

BFR-41, optical receiver to 4x SAT + 1x terr. Outputs with ext. PSU:

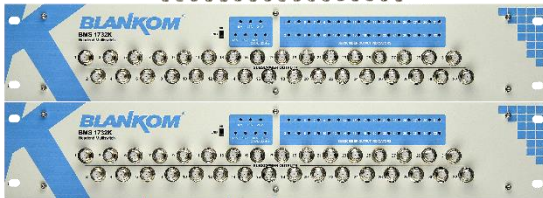


Application example:



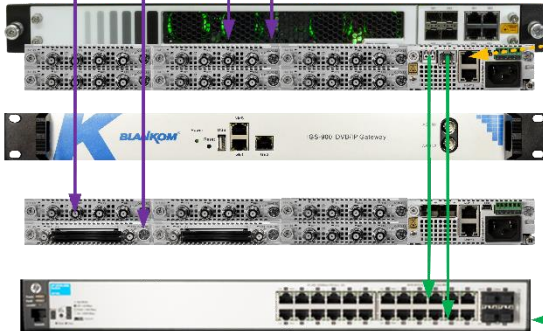
1 Fibre optical distribution with a distance of 4km: BPF 41-2

BFR-41: Optical electrical converter

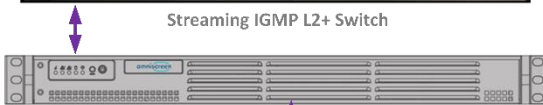


60 SAT-RF to the receiver-streamer + DVB-T

Optional 2 Luminato 4H Chassis support full 1+1 automatic seamless redundancy



1-2 RU Omniscreen TV Middleware-Server



System Concept SMATV-Optical Headend

Single Fibre-Optic SAT distribution for longer Distances between DISH farm and Headend station.
56 transponder FTA + 4 Transponders with CAM CI Modules,
4 dish + 1 terrestrial antenna supported by 19'' Multiswitch



Up to 24 HDMI channels to encode and stream 1x EMU-8624



Media Player



Content Player

Management Switch

Network Management

To the IPTV STB's, PoE

Optical SFP Trunks

Optical SFP Trunks

To Wireless distribution

To Smart-TV's with embedded IPTV-Apps

