

Fiber optic Transmitter and Receiver-Couple for 1x SAT + 1x Terrestrial



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

Main Features

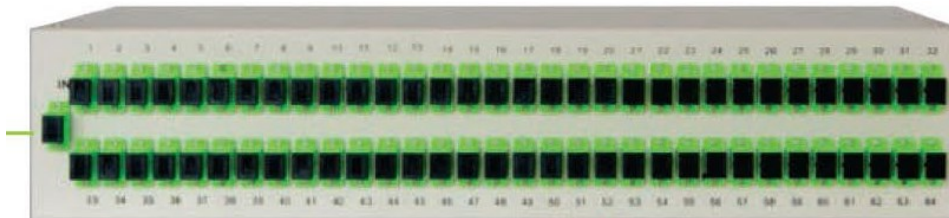
- 1 Satellite (4x Quad Quattro L/C-band MDU LNB support)
- RF transported over a single fiber optic cable available as 4dBm and 8dBm
- Up to 64 optical signals can be splitted
- Front panel: Gain adjustment for each input
- Voltage LED Indicators
- LNB voltage short circuit protection
- LNB voltage control 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 11- 4 or 8 transmitter (standard)
- BPF 11-8 transmitter with internal tilt level adjustment (standard)
- Electromagnetic resistance
- High RF resistance against heavy thunderstorms
- Easy installation and application



Technical Specifications

Input	5 F-female connectors (4 IF+1RF) (75 Ohm)
Output	1 SC/APC (Full Band) Optic 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 (LCD-Keypad)
Optical Output Power	4 mW (6dBm) (or 8mW version for longer distances)
Optical Wavelength Range	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	3700 g

Accessory: Optical splitter available



1/64 Optical splitter

Corresponding product:

BFR-11, optical receiver to 4x SAT + 1x terr. Outputs with internal PSU:



Application example:



1 SAT-Position with standard LNB

DVB-T/T2

1 Fibre optical distribution with a maximal distance of several km: BPF 11-4 AGC (Automatic Gain Control)
Available as 8mW for long distances

BFR-11: 1-Fiber Receiver

Optical electrical converter



BMS-0512C

19" Multiswitch 12 Outputs, cascadable



Technical changes are subject w/o notification