

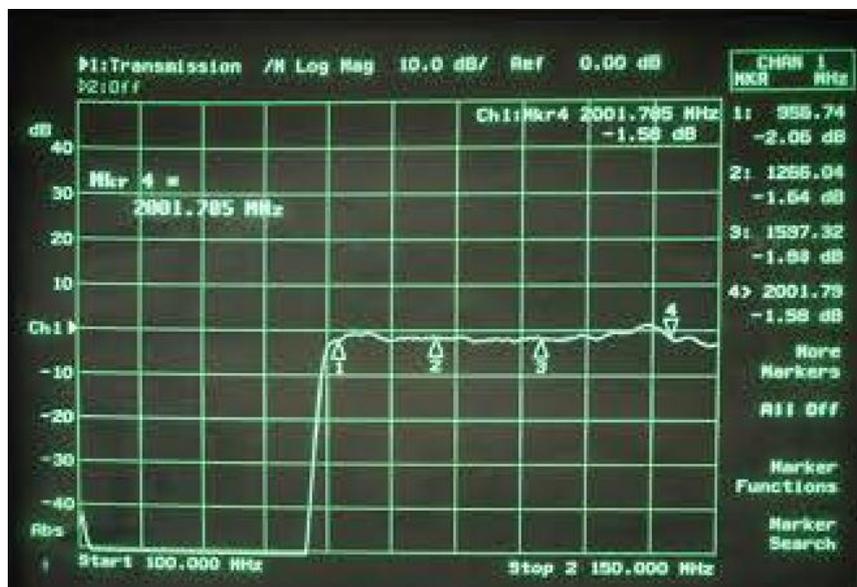
Fiber optic Receiver for 4x SAT + 1x Terrestrial



This fiber optic receiver is receiving up to 4 SAT positions (+ terrestrial) via 1 CWDM – Fiber to deploy these RF re-splitted to the original 4 SAT positions + DVB-T/T2/C and a standard Multiswitch in a headend

Main Features

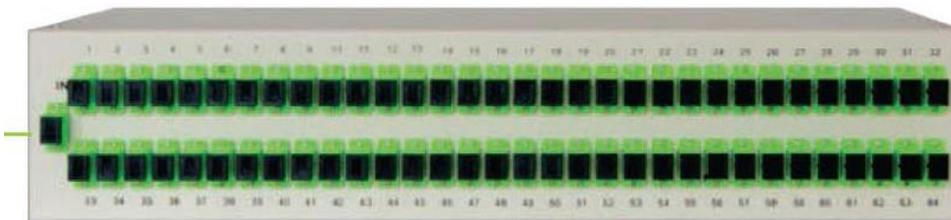
- New: Integrated Power supply for Plug&Play operation
- Monitoring the embedded power supply by 2 LED's
- embedded amplifier and 35 dB isolation
- isolation between outputs improved with this new version
- input dividers (fibre-optical to electrical) compensation by embedded amplifier
- Low loss and high performance through the SC/APC fibre optic connector
- Gain-Adjustment: 0...20 dB gain attenuator for each port adjustment for best performance



Technical Specifications

Opt. Connector:	1x SC/APC
Opt. Wavelength:	1270 ... 1430nm (CWDM)
SAT-Freq. Range:	950...2150 MHz
Terr. Range:	47...870 MHz
SAT Gain:	26dB +/- 1dB
Terr. Gain:	33dB +/- 2dB
Gain adjustment:	0...-15dB
SAT/SAT Isolation:	> 35dB
SAT/Terr Isolation:	> 40dB
Power Supply:	Internal to 12V/5V 3000mA /18W
Working temperature range:	-25...+50°C
Dimensions:	24 x 18,5 x 6 cm

Accessory: Optical splitter available



1/64 Optical splitter

Corresponding product:

BPF-41, optical Transmitter for 4x SAT + 1x terr. Outputs:

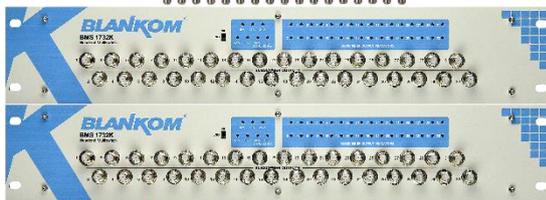


Application example:



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

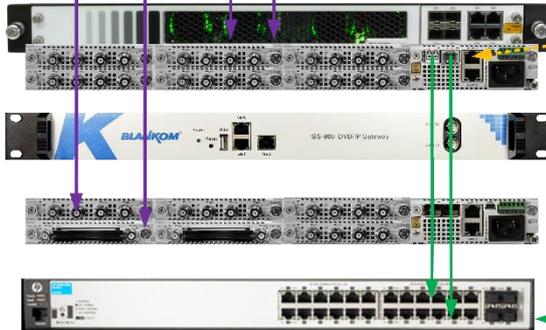
BFR-41: Optical electrical converter



BMS 1732K:
2x 17-32 Kaskade
Max. 64 RF outputs
Max to received Transponders + DVB-T = 64

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

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



IGS-924
24 FTA SAT Transponder -> Streaming to IPTV SPTS
16 FTA SAT Transponder + 2 TS Dual CAM decryption + 2 DVB-T2 -> Streaming to IPTV SPTS

1-2 RU Omniscreen TV Middleware-Server



To the IPTV STB's, PoE

Optical SFP Trunks

Optical SFP Trunks

To Wireless distribution

To Smart-TV's with embedded IPTV-Apps



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

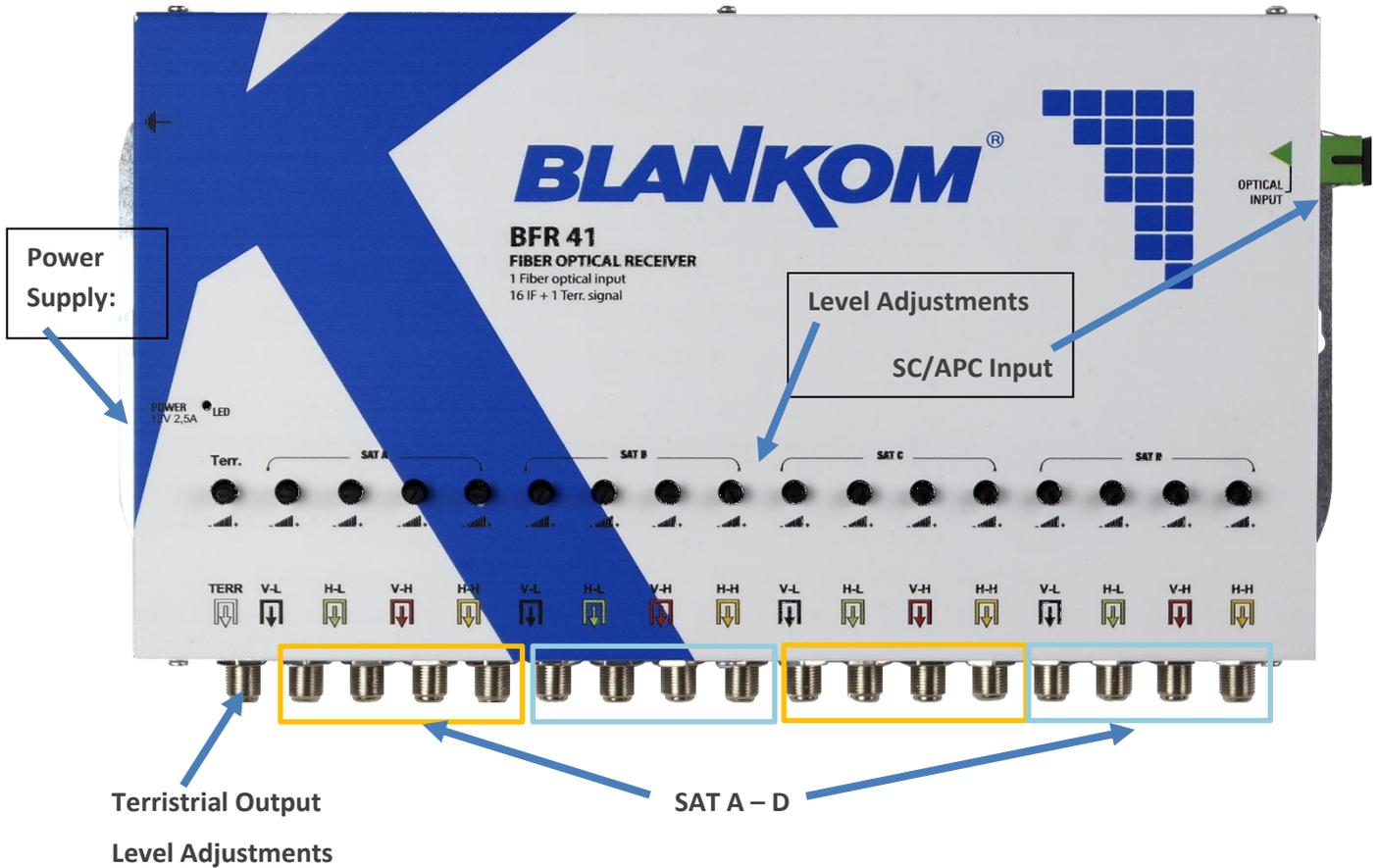
Management Switch



Network Management



2nd Design with external PSU and no plastics:



Wide area PSU 100-240 VAC → 12V 2,5A DC with 5.1 DC jack:

