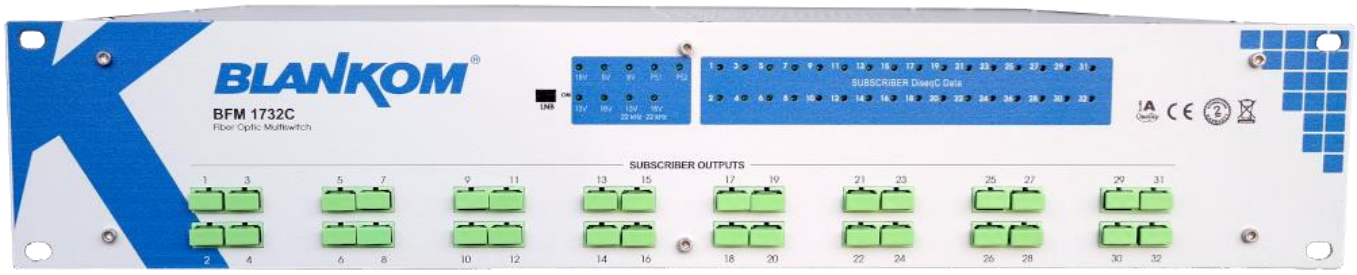
BLANKOM an IRENIS brand ...Selling Signals

BFM-1732C | BFR-01 /-02

Optical Multiswitch System



BFR-02: Optical Receiver for 2 TV/SAT-Receiver

BFR-01: Optical Receiver for 1 TV/SAT-Receiver

The new BLANKOM FTTH Fiber Optic Multiswitch System for max. 4 SAT-Positions + terrestrial RF support the distributing of the Multiswitch SAT-IF in downstream and LNB signalling in the upstream as bi-directional direct to homes / wall outlets to MDU's: SAT-FttB, FttC, FttH.
The optical multiswitch system uses the 1550nm wavelength for the downstream of the transponder selected by the SAT receiver and the upstream of the switching data from the connected SAT receiver/tuner (transponder frequency (SAT-ZF), 13/18V=polarisation, band switching low/high 0/22Khz, SAT position DiSEqC) is transmitted at 1310 nm on the same optical fibre backwards from the BFR to the multiswitch.

Features:

- Dual Powersupply
- Active TERR input (also available as passive input)
- Designed for 19" 2RU Rack cabinet
- Cascade output Tap pass loss 0,5dB
- RF-Quality to connect maximum 8 following cascades
- High isolation because of direkt PCB type F connectors
- LED indicator of each Receiver output
- LNB on/off switch (off for cascaded units)
- High isolation industrial PSU's
- Signal transport with fiber optic SC/APC single mode to wall sockets
- Easy and compact installation
- Low power usage thanks to a new generation smd components
- LNB supply feature 13V - 18V
- Quad- & Quattro- LNB compatible
- Cooling control by 2 separate fans
- HQ Terrestrial broadcast output by sharp filters
- Level adjustments for the trunk outputs by single attenuators

Technical Data of the optical multiswitch BFM-1732C:

Input 75 Ohm	SAT/ IF	16x F connector
	TERR	1x F connector
Output		32x SC/APC
Cascade Output	SAT / IF	16x F connector
	TERR	1x F connector
LNB voltage		13V, 18V, 13V 22KHz 18V
Frequency Range	SAT/ IF	950-2150MHz
	TERR	47-870MHz
Maximum Signal input	SAT/ IF	98dBµV
	TERR	88dBµV
Fibre Optic Output	IF + TERR	0,5mw
	TERR	85dBµV
Isolation	SAT-SAT	>33dB
Isolation	SAT-TERR	>37dB
LNB support		Quad & Quattro
Current consumption of the System	total	max. 2A@24VDC int.
Current supply	For the 4 LNB	920mA
Operating temperature		-15 ... +40°C
Dimensions		340 x 485 x 88 mm

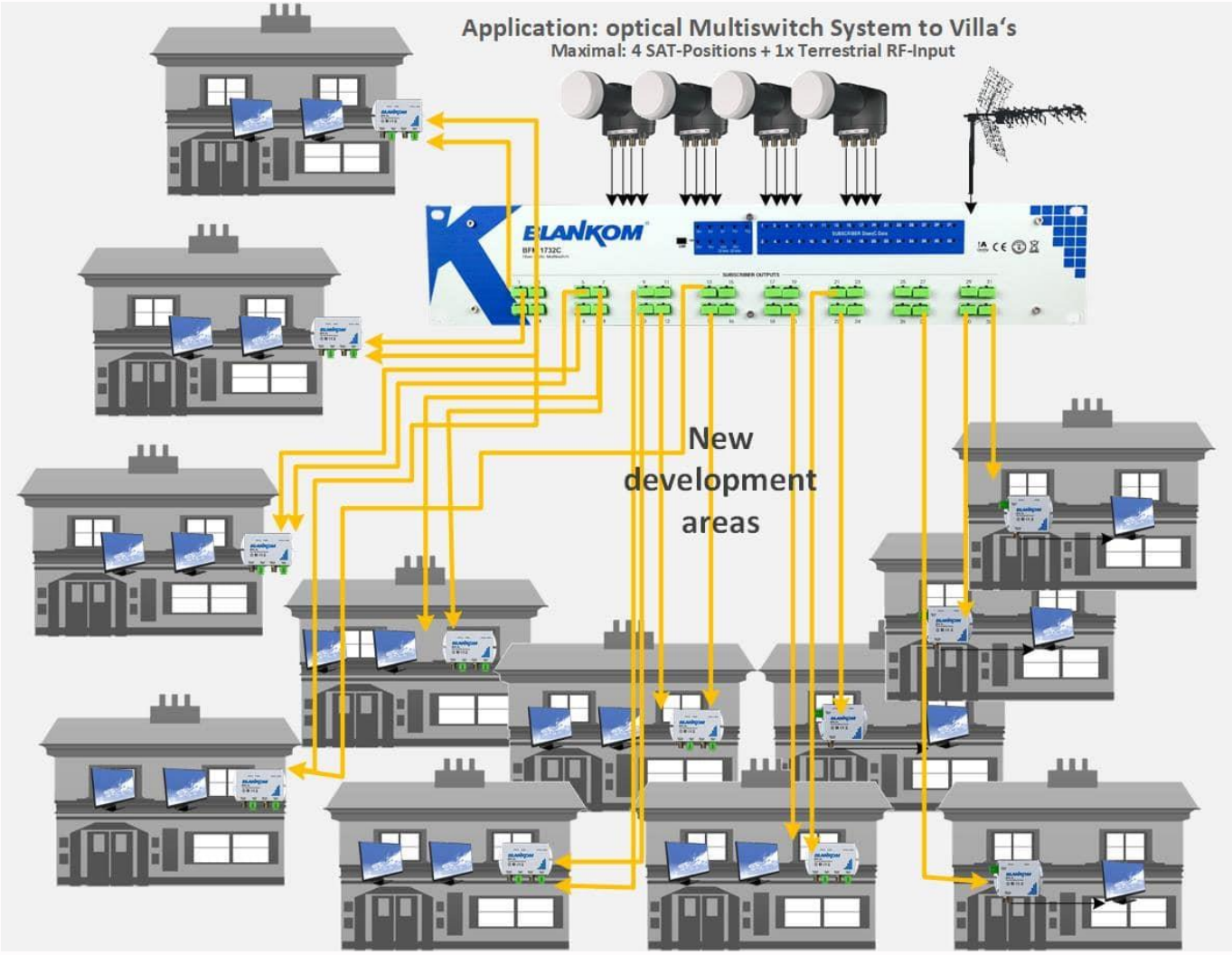
Technical Data BFR-01 /-02:

BFR-01		
Input	1x optic	SC/APC
Output	75 Ohm	F-connector
Terr- Range	47-870	MHz
SAT-IF Range	950-2150	MHz
Opt. Input power	max. 2	mW
Wavelength	1310 return ch. 1550 SAT-IF	nm
Operating Temperature	-15 - +40	°C
Current consumption	150	mA
Voltage	Receiver	sourced
Dimensions	73x46x33	mm
Signaling	2	LED

BFR-02		
Input	2x optic	SC/APC
Output	75 Ohm	2x F-connector
Terr- Range	47-870	MHz
SAT-IF Range	950-2150	MHz
Opt. Input power	max. 2	mW
Wavelength	1310 return ch. 1550 SAT-IF	nm
Operating Temperature	-15 - +40	°C
Current consumption	150	mA
Voltage	Receiver	sourced
Dimensions	73x100x33	mm
Signaling	2	LED

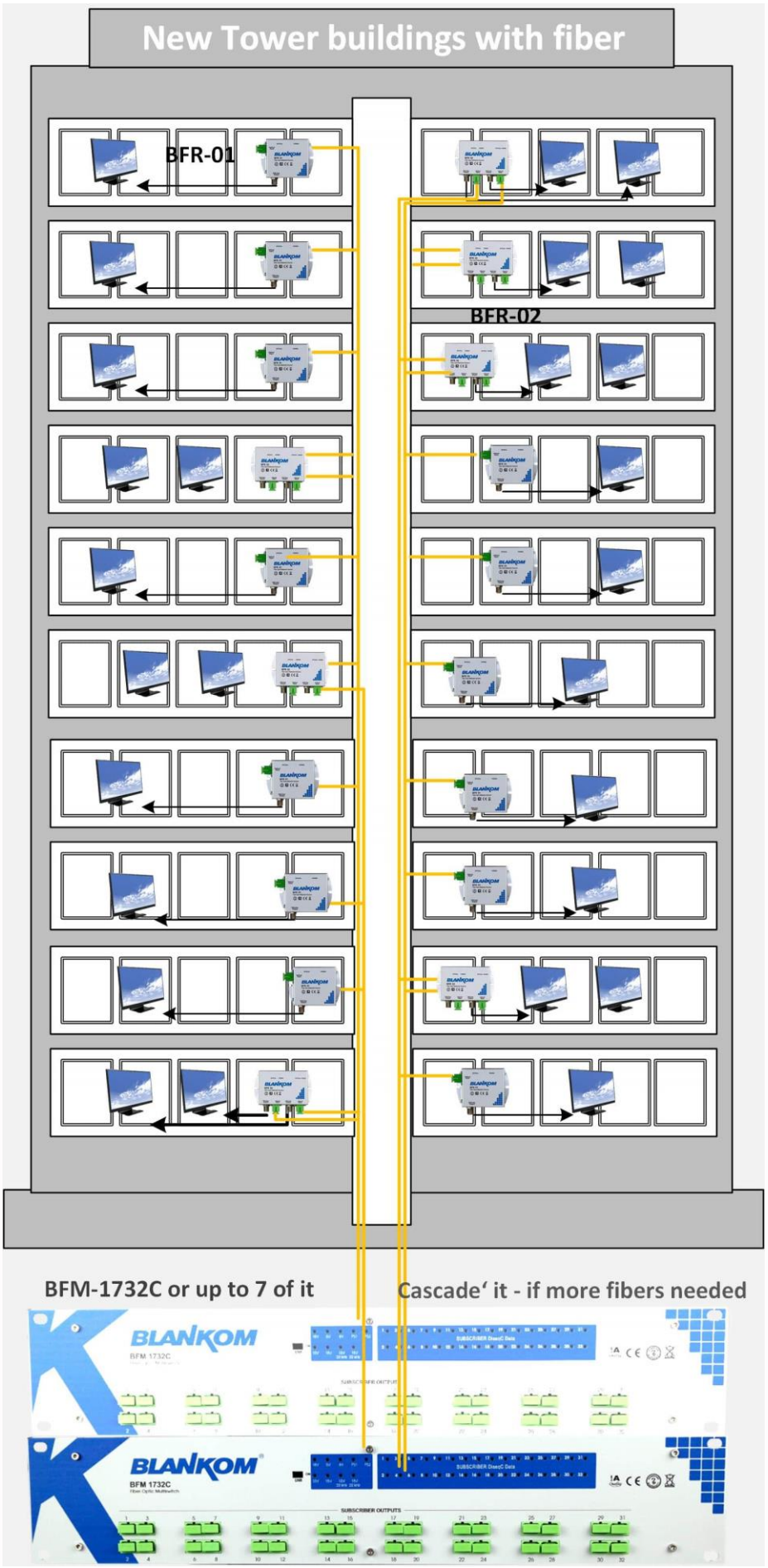
Application examples:

Villa / Condos / Residential SAT-signal deployment by fiber instead coax



Advantages:

- No loss or slope effects by traditional cooper coax cable usage any more
- No need of considering and installing of an amplifier every 100m coax
- Cascading of up to 7 BFM-1732C if larger deployments need to be planned and installed
- Fiber/splicing installation in parallel with Internet connection planning and serving possible
- Central SAT-Headend concept with reliable TV services
- Standard SMART-TV's or SAT-Receiver can be connected to the BFR-01/-02 outlets
- DVB-T/T2 or DVB-C Signal transported from central reception to all end users/subscribers
- Up to 4 SAT-positions serving multi language & international TV/Radio content for homes
- PAYTV transponders can be received individually in every home


New Tower buildings with fiber
BFR-01
BFR-02
BFM-1732C or up to 7 of it
Cascade‘ it - if more fibers needed
BLANKOM
BFM 1732C