

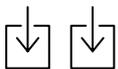


IKUSI
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smartexperience

TV+SAT IF optical transmitter

A solution for the distribution DTT and IF satellite signals in extensive group installations.



TV and IF input



IF optical modulation adjustment



Optical output

FTD-420

Technical specifications

MODEL		FTD-420
REF.		4915
Optical output power	mW	4 (=6 dBm)
RF inputs		2 TV (45-862 MHz) IF (950-2150 MHz)
Optical section		
Optical wavelength	nm	1310 (±20)
Relative intensity noise (RIN) of the laser	dB/Hz	< -150
Optical output return loss	dB	> 50
Optical output connector		SC / APC
RF section		
TV input level (for OMI 4% CENELEC carriers)	dBµV	72 ... 87
IF input level (for OMI 1.6%)	dBµV	72 ... 87
RF flatness	dB	±0,75 (TV) ,, ±1 (IF)
Adjustm. of TV level to laser TV-OMI adjustment	dB	-15 ... 0
Adjustm. of IF level to laser IF-OMI adjustment	dB	-15 ... 0
RF input impedance	Ω	75
RF input return loss	dB	> 12 (TV) ,, > 10 (IF)
General		
Power requirements		+12 VDC / 650 mA
DC connector type		banana socket
Dimensions	mm	230 x 195 x 32

- 1 TV input (45-862 MHz)
- 1 SAT-IF input (950-2150 MHz)
- 1 Optical output (1310 nm)
- Connection of singlemode type optical fibre.
- Solution for distribution of terrestrial TV and satellite IF signals (analog and digital) over large collective installations: residential districts, hotels, hospitals.
- Ultralinear, APC-controlled, 4 mW DFB (Distributed Feedback) laser.
- Fully compatible with PAL, SECAM, NTSC, FM, DVB-S, DVB-T, DVB-C and other standards.
- TV and SAT-IF separate ways with very high RF amplification gain. Independent OMI settings for TV and SAT-IF.
- DC powered by a CFP power supply module.
- Mountable on baseplates or rack-frame of ClassA headend.

Installation example

