



TV Optical transmitter

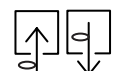
Solution for the distribution of TV terrestrial signals through optical fiber



CATV inputs



Display optical modulation settings



Optical input and output

Technical specifications

MODEL		FTD-1110
REF.		4870
Optical output power	mW	10 (=10 dBm)
Number of RF inputs		1
RF input frequencies	MHz	45 - 862
Optical section		
Optical wavelength	nm	1550 (±20)
Relative intensity noise (RIN) of the laser	dB/Hz	< -150
Optical output return loss	dB	> 50
CNR	dB	> 51
CTB	dB	> 65
CSO	dB	> 60
Optical input/output connector		SC/APC
Optical input level	dbm	-8 ... +2
RF Section		
Input level	dBμV	75 - 85
Band ripple	dB	±0,5
OMI adjustment level	dB	-5 ... +5
Input impedance	Ω	75
Input return losses	dB	> 16
General		
TV input connectors		F
Power supply	VAC	100-260 / 45-90 selectable
Consumption	A	0.25
Test	dB	-20
Dimensions	mm	194x 147 x 44



side view

- 1 optical input with SC/APC connector
- 1 input TV 45 - 862 MHz
- 1 optical output 1550nm with SC/APC connector
- Connection of singlemode type optical fibre.
- Solution for distribution of terrestrial TV signals (analog and digital) over large collective installations: residential districts, hotels, hospitals..
- 10 mW DFB (Distributed Feedback) ultralinear laser with Automatic Power Control (APC).
- Fully standards-compliant: PAL, SECAM, NTSC, FM, DVB-S, DVB-T, DVB-C and others.
- Setting and information control via digital display.

Optical Input Power
Optical Output Power
Bias Current
RF Input Level
OMI Control



UP DOWN SET

- Compact aluminium housing.
- Can function as a fibre optic repeater and as a wavelength converter:
Input 1310 nm → Output 1550 nm
- Power mode selectable via switch.

100-260 VAC



Through the
mains cable

45-90 VAC



Through the
coaxial cable

Installation example

