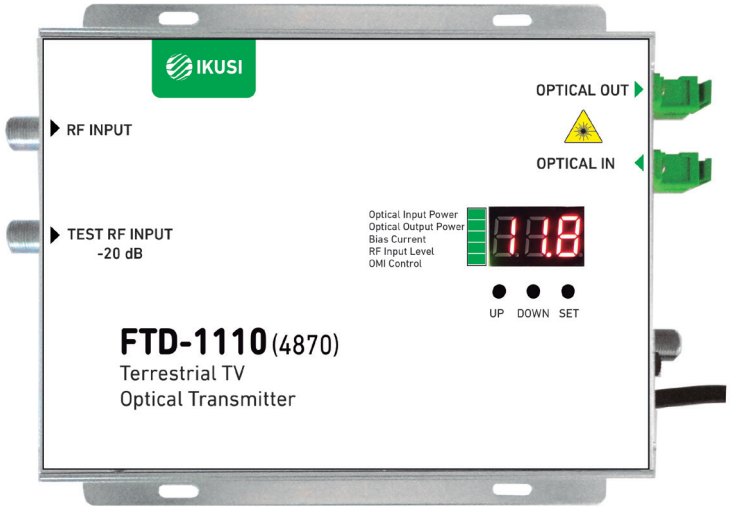
TRIAX

connecting the future

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.

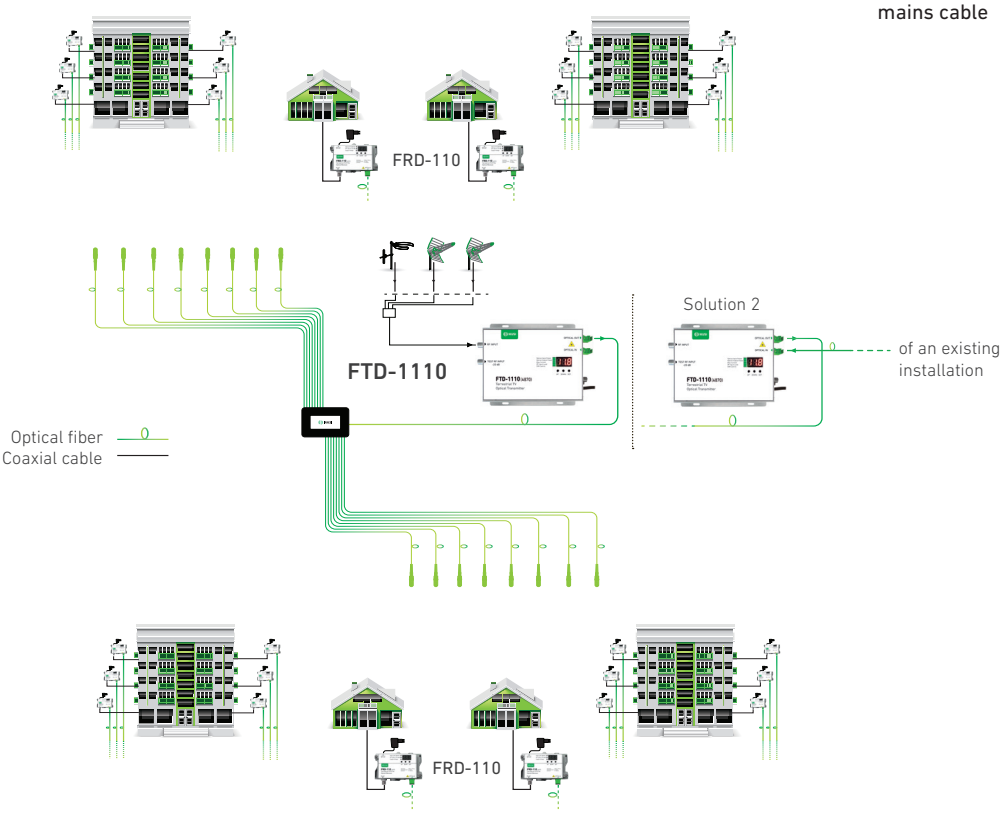
100-260 VAC

Through the mains cable

45-90 VAC

Through the coaxial cable

Installation example



TRIAX DIGITAL SOLUTIONS SL
Donostia Ibilbidea, 28 . 20115 Astigarraga - Spain
Tel.: +34 943 44 88 95
tds@triax.com - www.triax.com