

MTI 800

Transmodulation Equipment
DVB-S/S2 to COFDM

The solution to receive free-to-air channels (HD or SD) via satellite and watch them in DTT format.



Solutions for communal use
and hospitality



DVB-S/S2 Signal input



SD & HD
channels support



DVB-T Signal output

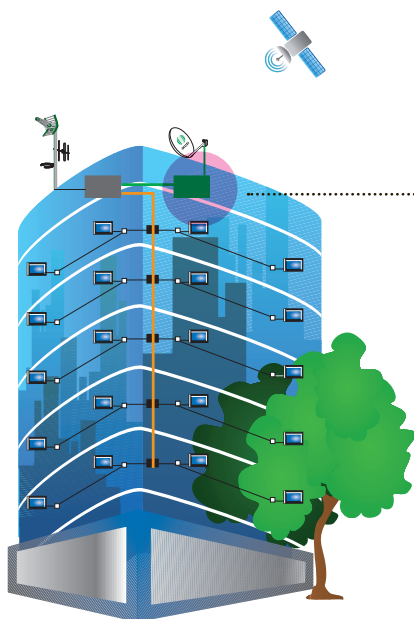


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Application examples



DVB-S/S2



A satellite dish aimed at a satellite and connected to equipment composed of 6 transmodulators MTI-800 and a CFP-700 source, allows us to tune in to a large number of open channels, both regional and international.

Regionals channels



International channels



Main Features

Model		MTI-800	
Ref		4099	
Reception		DVB-S ,, DVB-S2	
Transport Stream (TS) processing		Yes	
Input section (DVB-S/S2)	Standards	EN 300 421 EN 302 307	
	Input frequency	MHz	950 - 2150
	Input level	dBm	-65 ... -25 (DVB-S) ,, -70 ... -25 (DVB-S2)
	Input loop-through gain	dB	0 (±1)
	AGC pull-in range	MHz	±5
	Input symbol rate	MS/s	10 ... 30 (DVB-S2) ,, 2 ... 45 (DVB-S)
Re-modulation section (COFDM)	Data processing	EN 300 744	
	Operating mode	2K ,, 8K	
	Constellation	QPSK ,, 16QAM ,, 64QAM	
	Code rate	1/2 ,, 2/3 ,, 3/4 ,, 5/6 ,, 7/8	
	Guard interval	1/4 ,, 1/8 ,, 1/16 ,, 1/32	
	Modulation Error Ratio (MER)	dB	> 38 (typ.)
RF Output section (COFDM)	Selectable output channel located between:	MHz	47 - 862
	Adjustable output level	dBµV	65 to 80
	Frequency stability	ppm	≤ ±30
	Output loop-through loss	dB	1.1
	Spurious in band	dBc	< -50
General	Consumption	mA	730
	Dimensions	mm	230 x 195 x 32

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