

# 912 TV-SAT AND MODULATOR EQUIPMENT

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## DVB-S/S2 TO DVB-T TRANSMODULATOR

Code : **9120145**

Model : **TT-201**

### Description

Transmodulator of unencrypted satellite digital television services to terrestrial digital television. Each module selects the free-to-air services of a DVB-S/S2 satellite transponder and includes them in a DVB-T channel. Programmable using PC software and a wireless programmer. Applications  
Collective terrestrial digital television installations where it is necessary to distribute FTA satellite television services while avoiding the installation of satellite receivers. Compatible with all collective TV installations since the channels can be distributed throughout the terrestrial band. Characteristics  
Automatic error-detection system which greatly reduces maintenance work on the installation. Generated output channel of outstanding quality. Zamak chassis with metal side panels. F-type connectors. The equipment can be assembled quickly and easily.



CODE		9120145
MODEL		TT-201
TV system		DVB-S / DVB-S2 → DVB-T/DVB-H EN 300421 EN 302307 EN 300744
<b>DVB-S/S2 receiver</b>		
Frequency range	MHz	950 - 2.150
Frequency step	KHz	1
LNB power supply	V <sub>cc</sub>	+12
	mA	350 máx
Symbol rate	Mbaud	1..45
Diplexing through loss	dB±TOL	1.0 ±0,2
<b>DVB-S2 receiver</b>		
Input level	dB $\mu$ V	45..95
	dBm	-63..-13
F.E.C. QPSK		Auto, 1/2, 3/5, 2/3, 3/4, 4/5 5/6, 8/9, 9/10 DVB: EN 302307
F.E.C. 8PSK		Auto, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 DVB: EN 302307
Roll-Off	dB	0,35/0,25/0,20
<b>DVB-S receiver</b>		
Input level	dB $\mu$ V	40..95
	dBm	-68..-13
F.E.C. QPSK		Auto, 1/2, 2/3, 3/4, 5/6, 7/8 DVB: EN 300421
<b>COFDM modulator</b>		
TV system		DVB-T / DVB-H DVB: EN 300744
Output offset	MHz	-1/6, -1/8, 0, +1/8, +1/6 DVB-T
Mode		2K, 8K, 4K (DVB-H) DVB: EN 300744

CODE		9120145	
MODEL		TT-201	
Modulation		QPSK, 16QAM, 64QAM DVB: EN 300744	
F.E.C.		1/2, 2/3, 3/4, 5/6, 7/8 DVB: EN 300744	
Guard interval		1/4, 1/8, 1/16, 1/32 DVB: EN 300744	
MER	dB	39 ±2,0	
<b>RF output</b>			
Frequency range	MHz	47-862	
Frequency step	MHz	0,25	
Output level	dBμV	80 ±2,0	
Output level adjust	dB	20	
Bandwidth	MHz	8, 7, 6, 5 DVB-H	
Through loss in the mixture	dB	0,9 ±0,1	
<b>General features</b>			
Power supply	V <sub>DC</sub>	+3,3	+5,2
	mA	1200	390+CAM
Operating temperature close to equipment		-10..+65	
Room temperature with/without fan		-10..+55/+45	
Protection index		IP30	
Units per packing		1	
Packing weight	Kg	1,4	
Packing dimensions	mm	270 x 170 x 38	