912 TV-SAT AND MODULATOR EQUIPMENT

TT-312 FRANSAT MODULE



Code : **9120214**

Model : **TT-904**

Description

Transmodulator for Fransat encrypted satellite digital television services to terrestrial digital television with DiSEqC. Each module selects the services of a DVB-S/S2 satellite tr ansponder and incluyes them in one or two DVB-T channels. Equipped with a Common Interface slot, a Fransat Pro CAM and subscriber□s card. Programmable using PC software and a wireless programmer.

Applications

Collective terrestrial digital televisi on installations where the aim is to distribuye Fransat encrypted satellite te levision services while avoiding the installation of satellite receiver s. Allows channels from different satellites to be selected thaks to its DiSEqC control. 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 channels of oustanding quality. Zamak chassis with metal side panels. F-type connectors. The equipment can be assembled quickly and easily.

CODE		9120213
MODEL		TT-312
TV system		DVB-S / DVB-S2 → DVB-T/DVB-H EN 300421 EN 302307 EN 300744
Connection		F Female
Number of inputs		1
Number of output channels		1 ó 2 (adjacent)
DVB-S/S2 receiver		
Frequency range	MHz	950 – 2150
Frequency step	KHz	1
LNB power supply	V---	DiSEqC 2.0 +13/+18 (0/22KHz)
	mA	350 max.
Symbol rate	Mbaud	1..45
Diplexing through loss		1,0±0,2
DVB-S2 receiver		
Input level	dBµV	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
DVB-S receiver		
Input level	dBµV	40..95
	dBm	-68..-13
F.E.C. QPSK		Auto, 1/2, 2/3, 3/4, 5/6, 7/8 DVB: EN 302307

Conditional access				
Standard		DVB-CI EN 50221 Common Interface		
Compatibility		Viaccess, Mediaguard, Videoguard, Seca, Betacryp, Nagravision, Irdeto, Cryptoworks, Conax		
COFDM modulator				
TV system		DVB-T/DVB-H 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		
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		1/2, 1/8, 1/16, 1/32 DVB: EN 300744		
MER	dB	39±2,0		
RF output				
Frequency range	MHz	47-862		
Frequency step	MHz	0,25		
Output level	dBµV	80±2,0		
Output level adjust	dB	20		
Bandwidth per channel	MHz	8, 7, 6, 5 DVB-H		
Through loss in the mixture	dB	0,9±1		
General features				
	V	+3.3	+5.2	+12
	mA	1300	550+CAM	55+LNB
Operating T close to equipment	ºC	-10..+65		
Room T with/without fan	ºC	-10..+55/+45		
Protection index		IP 30		
Units per packing		1		
Packing weight	Kg	1,4		
Packing dimensions	mm	265 x 165 x 40		