

912

DIGITAL SAT EQUIPMENT 912-TQ



Dual tuner DVB-S/S2 to DVB-C with Common Interface and DiSEqC transmodulator



TQ-543

Description

Transmodulator of encrypted satellite digital television services to terrestrial digital television with DiSEqC. Each module selects the free-to-air services of two DVB-S/S2 satellite transponders and includes them in a DVB-C channel. Equipped with a Common Interface slot for insertion of the CAM and the subscriber's card. Programmable using PC software and a wireless programmer.

Applications

Collective terrestrial digital television installations where the aim is to distribute encrypted satellite television services while avoiding the installation of satellite receivers. Allows channels from different satellites to be selected thanks to its DiSEqC control. Compatible with all collective TV installations since the channels can be distributed throughout the 47-862 MHz band.

Characteristics

Two independent tuners. Automatic error-detection system which greatly reduces maintenance work on the installation. Generated output channel of outstanding quality. Does not include the CAM or the decoder card. Zamak chassis with metal side panels. F-type connectors. The equipment can be assembled quickly and easily.

CODE		9120218		
MODEL		TQ-543		
TV system		DVB-S / DVB-S2 → DVB-C EN 300421 EN 302307 EN 300429		
Number of inputs		1 with duplexing or 2 independents		
DVB-S/S2 receiver				
Frequency range	MHz	950-2150		
Frequency step	MHz	1		
LNB power supply	V	DiSEqC 2.0 +13V +18V 0/22KHz		
	mA	350 max		
Symbol rate	Mbaud	1..45		
Diplexing through loss	dB	1 ±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		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 EN 302307		
DVB-C modulator				
Modulation		16 - 32 - 64 -128 - 256 QAM		
Bandwidth	MHz	9.2 max		



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MER	dB	38 ± 2.0	
Symbol rate	Mbaud	1..8	
RF output			
Frequency range	MHz	47-862	
Frequency step	MHz	0.25	
Output level	dBµV	80 ± 2.0	
Output level adjustment	dB	20	
Spurious in band	dB	>60	
Roll off factor	%	15	
Carrier / Noise ratio (C/N)	dB	38	
Diplexing through loss	dB	0.9 ±0.1	
General features			
Return loss	dB	>20	
Connection		F female	
Power supply	V $\overline{\text{---}}$	+3,3	+5,2 +12
	mA	1600	320+CAM 40+LNB
Operating T close to equipment		-10..+65	
Room T 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	

Programmable with PS-011 and ASP software