Televes reserves the right to modify the product

Twin Transmodulator 8PSK - DVBC (QAM Annex A)

Transmodulator that generates two QAM Multiplexes from the services available in either one or two 8PSK TV SAT transponders of the same band and polarization.

Ref.563701

Art.Nr	
EAN13	8424450149775

Highlights

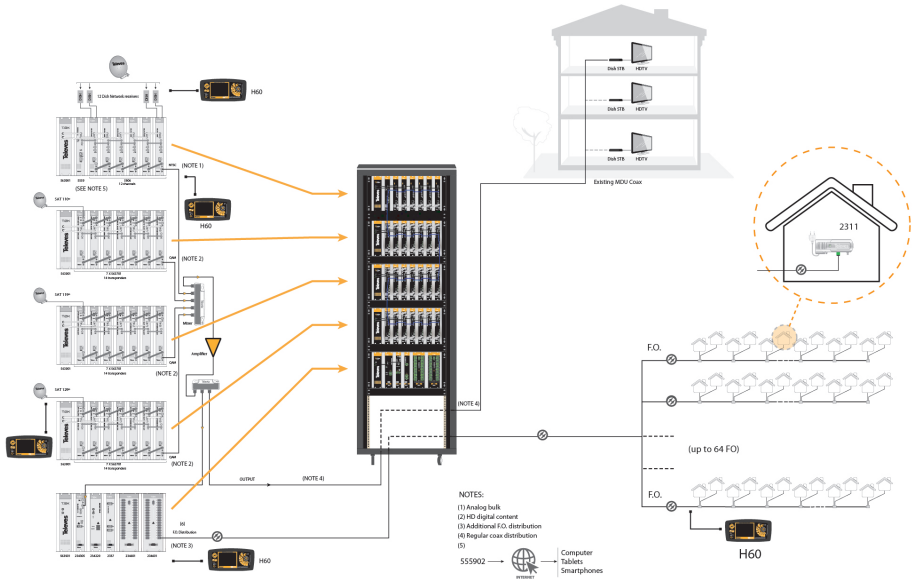
- Total or selective removal of the services present in the received transponder, to avoid them being detected (and memorized) by the receivers (STB)
- Editable TS_ID, which makes programme/service detection easier on the receiver (STB), since the channel scan is based on this identifier
- LCN (Logical Channel Number) allows the assignment of the services present in the output to an LCN, which makes the ordering of the channels easier on the receivers (STB)
- Provides information regarding both the occupation of each specific service and the global output occupation, which allows the optimization of the services being distributed
- Can be remotely controlled using CDC (Headend control)
- Device monitoring and signal status LEDs

Main features

- Two independent tuners allowing more than 14 services per module
- Two output stages with packet generation above 6 MHz bandwidth
- Equipped with an input matrix to allow any input signal to be processed by any of the demodulators
- Output up to 1024 QAM
- Null packet insertion (“Stuffing”) allows the receiver (STB) to perform a faster scanning

Application example

(Click to see the picture)



Technical specifications

Satellite input	Input selection options (PORT1/PORT2)		IN/OUT, IN/IN, DISABLED/IN	Symbol rate	Mbaud	10-30	
	Input frequency (agile)	MHz	950 - 2150	FEC	QPSK Legacy	Viterbi 1/2, 2/3, 3/4, 5/6, 7/8 Reed Solomon (204, 188)	
	Frequency steps	MHz	1		8PSK	Interactive Turbo Error Correction Reed Solomon (204, 188)	
	Input modulation		QPSK Legacy (EN300421) Turbo 8PSK - Turbo QPSK	Transmission filter		Square Root Raised Cosine	
	Input level	dBm	-70 to -20	Roll-off Factor	%	QPSK legacy	35
	PORT1-PORT2 isolation	dB	> 25			8PSK-TC QPSK-TC	20
	Loop-through losses	dB	< 1.5	In/Out connectors	type	"F" female	
				Input impedance	Ohm	75	
QAM Modulator	Modulation format	QAM	16, 32, 64, 128, 256, 512, 1024	Symbol rate (max)	Mbaud	6.9	
				Roll-off factor	%	15 (12 for 1024 QAM)	
RF Output	Frequency range (agile)	MHz	57 ··· 999 (EIA Ch 2 to 158)	Loop-through losses	dB	< 1.5	
	Frequency steps	MHz	1	MER	dB	> 40	
	Output level	dBmV	38 ± 2	In/Out connectors	type	"F" female.	
	Adjustable level (min.)	dB	20	Out Impedance	Ohm	75	
General	Powering voltage	Vdc	24	Consumption 24V	mA	600	
	Protection index	IP	20	Working temperat	ºF	< 113 (use forced ventilation at higher temp)	