



TWIN DVBS/S2 -QAM TRANSMODULATOR REF.563001



GENERATES TWO TP SAT IN TWO QAM MUX WITH SORTED SERVICES (LCN)

- Remotely controllable through CDC and Internet connection
- Transport Stream edition
- With LCN ("Logical Channel Number")
- Energy-efficient thanks to its low power consumption.



HDTV



REMOTE
CONTROLLABLE



LOW POWER
CONSUMPTION



STANDARD
H.264



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TWIN DVBS/S2-QAM TRANSMODULATOR

DESCRIPTION

The TWIN DVBS/S2- QAM module performs the transmodulation of two DVBS/S2 transport multiplex from either one or two SAT inputs. Each transport is demodulated, processed and further modulated in DVB-C format (QAM Annex A). They are positioned in frequency by means of two up converters, generating two QAM output packets.

This module allows editing multiple parameters, among which Service ID (S_ID), which avoids STB retuning when the services of the output multiplex are modified.

Furthermore, the LCN option makes service sorting easier.

Just as the other transmodulators in the T.OX family, this module is remotely configurable by means of the TSuite application.

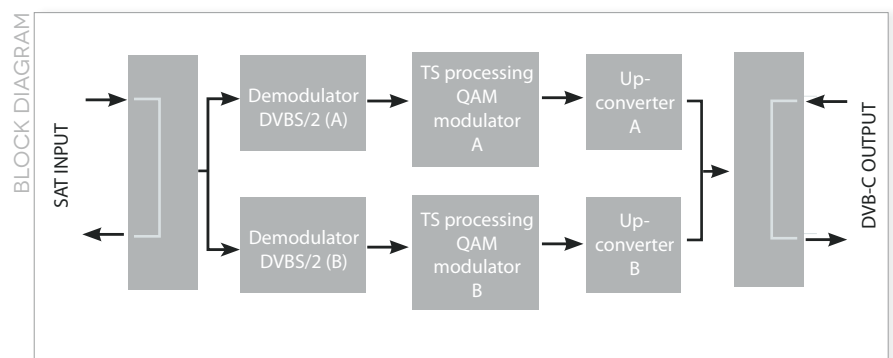


MAIN FEATURES

- Two DVBS/S2 - QAM transmodulators in a single module
- QPSK or 8PSK input
- 16, 32, 64, 128, 256 QAM output
- Parameter editing: TS_ID, S_ID, etc.

HIGHLIGHTS

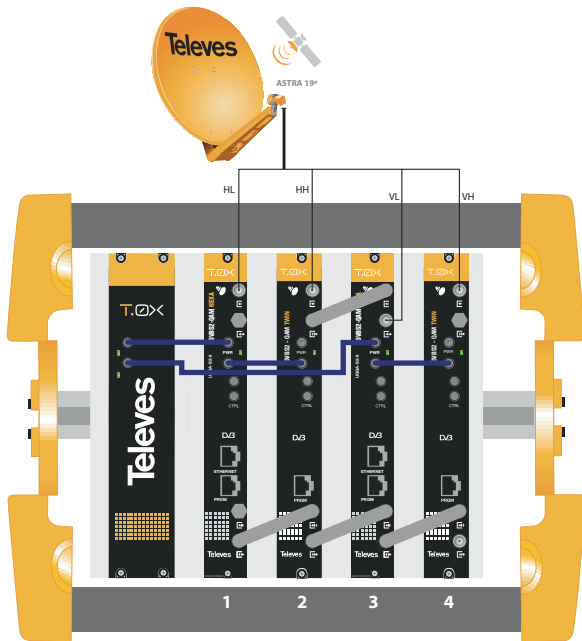
- **Remotely controllable** with CDC and TSuite.
- **LCN** for service sorting
- **Total or selective** service removal to prevent services from being memorized on STB.
- **Service ID editing** for all STB to automatically detect changes in the contents without retuning.



REF.	ITEM NO.	DESCRIPTION	EAN 13
563001	UQQA-S2-TN	TWIN DVBS/S2-QAM T.OX	8424450155028

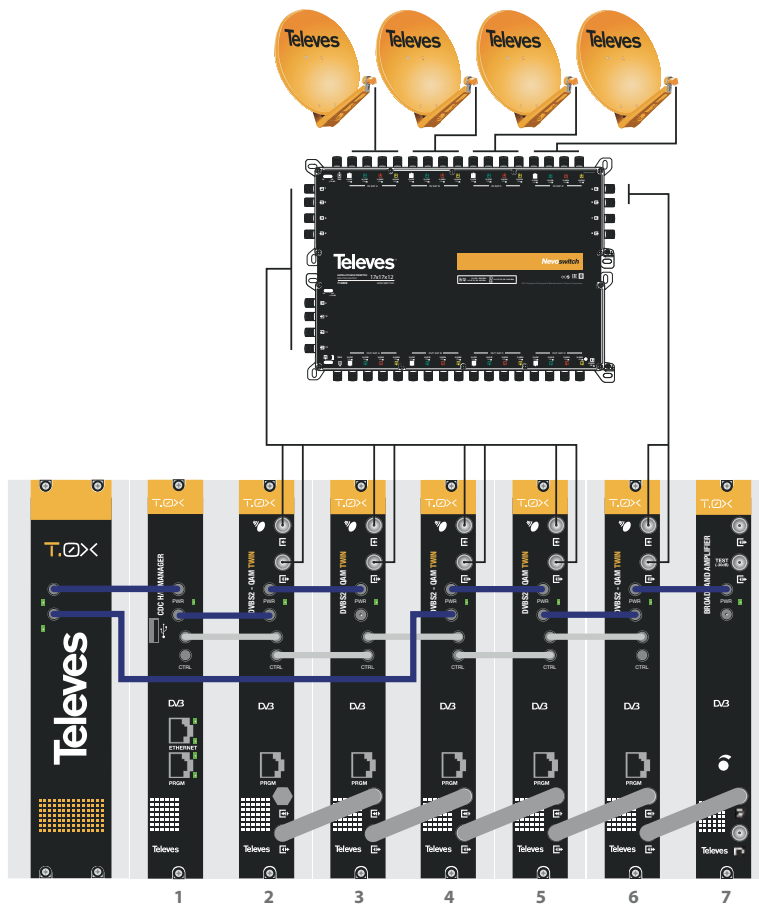
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APPLICATION EXAMPLES



This equipment processes 16 TVSAT transponders by combining HEXA and TWIN modules.

- 1 HEXA DVBS/2 - QAM Module (ref.564501)
- 2 TWIN DVBS/2 - QAM Module (ref.563001)
- 3 HEXA DVBS/2 - QAM Module (ref.564501)
- 4 TWIN DVBS/2 - QAM Module (ref.563001)

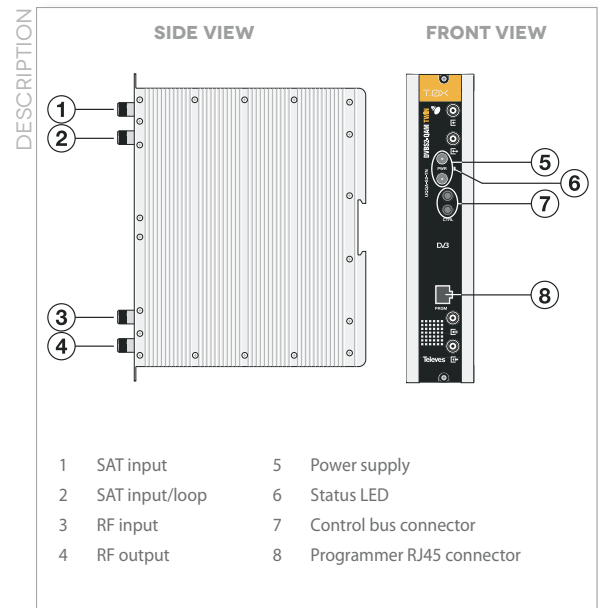
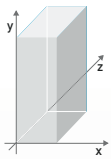


This equipment processes 10 transponders of up to 4 satellites, with LCN and TS editing options.

- 1 CDC Headend controller (ref.5559)
- 2...6 TWIN DVBS/2 - QAM Modules (ref.563001)
- 7 Multiband amplifier (ref.5075)

TWIN DVBS/S2-QAM TRANSMODULATOR

TECHNICAL SPECIFICATIONS			
SAT INPUT			
SAT	Input frequency	MHz	950...2150
	Frequency steps		1
	Input loop loss	dB	≤ 1,5
	LNB supply	VDC	13V/17V/ OFF - 22kHz (ON/OFF)
	Satellite selection (DiSEqC)		A, B, C, C
	Return loss	dB	> 10
	input impedance	Ω	75
DVB-S DVB-S2	Symbol rate (Modulation)	Mbaud	2 - 45
	Internal convolutional code (FEC)		LDPC (1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10)
	External convolutional code (FEC)		BCH (Bose-Chaudhuri-Hocquenghem)
	Roll-Off factor	%	20, 25, 35
DVB-C OUTPUT			
QAM	Modulation (Constellation)		16, 32, 64, 128, 256QAM
	Symbol rate	Mbaud	1 - 7,2 (selec.)
	Scrambling		DVB EN 300429
	Interleaving		DVB EN 300429
	Convolutional code (FEC)		RS(188, 204)
	Roll-off factor	%	15
	Spectrum		Normal, Inverted
RF	Bandwidth	MHz	8.3 max.
	Output frequency	MHz	46...862
	Frequency steps	kHz	250
	Maximum output level	dBμV	80±5
	Adjustment range	dB	> 15
	Step losses	dB	≤ 1,5
Spurious level	dBc	> 60 typ.	
Output impedance	Ω	75	
GENERAL			
Power supply	VDC		24
Power consumption	mA		470 without LNB
Protection index	IP		20
Dimensions (xyz)	mm		50 x 216 x 175



APRIL 2017