



## 3DG-4T2-4T

3DGFLEX series, transmodulation from DVB-S2/T2/C to DVB-T, modular

<b>CODE</b>	283165	
<b>Inputs</b>		
Input no.	4	
Demodulation	DVB-T2, DVB-T or DVB-C (selectable)	
Band	MHz	174-862
Channels	E5-E69	
Channels width	MHz	6,7,8
AFC dynamics	kHz	±400 (DVB-T2/T), ±100 (DVB-C)
FEC	1/2, 2/3, 3/4, 5/6, 7/8 Reed Solomon (204, 188)	
Remote feeding	mA	2 x 100 max (12V)
Carriers number	2000, 8000	
Level	dBμV	40-85
<b>Back panel</b>		
Connectors	Back Panel 48 pin	
Type	Serial	
Max bitrate	Mbit/sec	1000 (bidirectional)
<b>Outputs</b>		
Generated channels	no.	4 (2 pairs of adjacent mux)

Standard		DVB-T / DVB-C
Channels range		S2-E69
Frequency	MHz	111-862
Tuning step	kHz	250
Level	dB $\mu$ V	95
Level adjustment	dB	0-20
Flatness in band		$\pm 1.5$
MER	dB	$\geq 36$
Spurious rejection	dB	$< -50$
Spectrum		Normal, inverted
Mode of operation		Normal, single carrier
<b>DVB-T Modulation</b>		
Modulation		QPSK, 16-QAM, 64-QAM
Band of each channel	MHz	39635
Carriers number		2k, 8k
Guard interval		1/4, 1/8, 1/16, 1/32
FEC		1/2, 2/3, 3/4, 5/6, 7/8
<b>DVB-C Modulation</b>		
Modulation		16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Band of each channel	MHz	Related to the output symbol rate
FEC		Reed Solomon (204, 188)
Symbol rate	Msymbol/sec	1000-6999
<b>Features</b>		
USB		Software update and video playing (type A, FAT32 filesystem, fileformat .TS)
Programming mode		Web interface, keyboard and display
Consumption	W	5 (without CAM); 20 (with 2 CAMs)
Common interface		2 x PCMCIA (Standard EN50221, TS10169) Flex CAM or Standard Mode
Dimensions	mm	245x208x54
Operating temperature	C $^{\circ}$	-10 $\div$ 50; -10 $\div$ 45 (with CAM)