

## 3DG-4S2-4T

Modular



**DVB-S/S2 to DVB-T/C Transmodulator**, 3DG-4S2-4T can receive from 4 different independent satellite transponders and the Back Panel ("Smart & Pool") the desired HD or SD programs, decrypt them tamite the Professional CAMs and remodulate them to output in the **4 available digital multiplexes** (COFDM or QAM) in the whole TV band.

### Technical Chars

- Multi-Inputs: **4 independent SAT inputs** (DVB-S2/S), "USB Input" for external content management and back-Panel Input/Output.
- 4 output DVB-T/DVB-C modulators (2 pairs of adjacent modulators) available in 3DG-4S2-4T version.
- **FlexCAM** mode: programs from any SAT input can be forwarded to the same CAM.
- **"Smart & Pool"** functionality for flexible content management: the new generation of 3DG-EVO modules uses high-speed bi-directional Back-Panel.
- **ARP 2.0** = Automatic Recovery Procedure enables safeguarding higher priority programs and ensuring continuity of service when the input data stream exceeds that allowed by DVB-T or DVB-C standards
- **"Mux-ad-Hoc"**: possibility to create your own mux at will by choosing programs from all the new generation modules inserted in the same BOX and to manage all descriptor parameters of individual programs (LCN, SID, PID, Program name...) and MUXes (ONID, TSID, NetID,...).

3DG-4S2-4T		
Code		283162
<b>Input</b>		
Input no.		4
Input level	dBμV	50-80
Demodulators		DVB-S2 (8-PSK, QPSK), DVB-S (QPSK)
Input band		950-2150
Input AFC	MHz	±5
Symbol rate	Mbps	2-45
FEC		1/2, 2/3, 3/4, 5/6, 7/8, AUTO
Remote feeding	mA	4 x125 max (14/18V)
LNB controls		DiSEqC 1.0

Outputs		
Multiplexes created		4 (2 pairs of adjacent digital multiplexes)
Output		S2-E69
Output frequency	dB	111-862
Tuning step	kHz	250
Max output level	dB $\mu$ V	95
Level adjustment	dB	From 0 to 20
Flatness	dB	$\pm 1.5$
MER RF	dB	$\geq 36$
Spurious rejection	dB	$< -50$
Spectrum		Normal, inverted
Operating method		Normal, single carrier
IP output		
Connectors		4
Back panel		
Output type TS		Serial
TS outputs		48 pins on Back Panel
TS max bitrate	Mbps	1,000 (bi-directional)
DVB-T Modulation		
Band	MHZ	6,7,8
Output		QPSK, 16-QAM, 64-QAM
FEC		1/2, 2/3, 3/4, 5/6, 7/8
Carriers		2k, 8k
Guard interval modulation		1/4, 1/8, 1/16, 1/32
DVB-C Modulation		
Output		16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Single channel band		Related to output symbol rate
FEC		Reed Solomon (204, 188)
Symbol rate	Mbps	From 1,000 to 6,999
Specifications		
Connectors		SW update and video playback (type A, FAT32 filesystem, .TS file playback)
Programming mode		Web interface, keyboard and front display
Current consumption	W	15 (without CAM), 20 (with CAM), extra consumption DVB-C 1.3
Common interface		2 x PCMCIA (Standard EN50221, TS10169) Flex CAM or Standard Mode
Operating temperature	$^{\circ}$ C	-10 to 50; -10 to 45 (with CAM)
Conformity		EN50083-2, EN60065
Dimensions and packaging		
Pieces		1
EAN code		8016978099320
Packaging dimensions	mm	305 x 220 x 88
Product dimensions	mm	245 x 208 x 54
Packaging weight	kg	1.154

