

## D-MATRIX-4S-4C

Compact



The compact **D-Matrix-4S-4C** 2CI control unit allows the user to receive from **4 different independent satellite transponders** the desired HD or SD programs (**FREE or encoded**) and output them back to the 4 available digital multiplexes (COFDM or QAM) across the TV band.

### Technical Chars

- **Multiple SAT inputs:** 4 independent SAT inputs(DVB-S2), 4 output DVB-T/DVB-C modulators (2 pairs of adjacent modulators).
- **Optimized CAM management:** D-MATRIX-4S-4C allows both CAMs to be managed in 2 different operation modes: **FLEXCAM** and **STANDARD** mode
- Improved **WEB interface:** programming the control panel is even more intuitive.
- **"Mux-ad-Hoc":** possibility to create your own mux at will with programs chosen from 4 independent SAT sources
- ARP 2.0 = **Automatic Recovery Procedure** allows you to safeguard programs with higher priority and ensure continuity of service
- **AUTO REMAPPING functionality.** ability to change channels to be distributed in real time without retuning televisions
- Multi-function **USB port** for upload/download of existing configurations, module firmware upgrade and video playback (TS supported file format).
- **DVB-T/DVB-C output modulation selectable** during programming: one product satisfies any coax distribution

D-MATRIX-4S-4C		
Code		283130
<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	400mA@18V max
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	1000
Max output level	dB $\mu$ V	95
Level adjustment	dB	0 to 20
MER RF	dB	$\geq$ 36
Spurious rejection	dB	<-40
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 1000 to 6999
Specifications		
Connectors		SW update and video playback (type A, FAT32 filesystem, .TS file playback)
Programming mode		Web interface
Current consumption	W	42
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		EN IEC 62368-1:2024/A11:2024; EN50083-2:2012/A1:2015 EN 55035:2015/A11:2020 EN 55032:2015/A11:2020 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A1:2019/A2:2021
Dimensions and packaging		
Pieces		1
EAN code		8016978096961
Packaging dimensions	mm	400 x 300 x 70
Product dimensions	mm	285 x 233 x 54
Packaging weight	kg	3