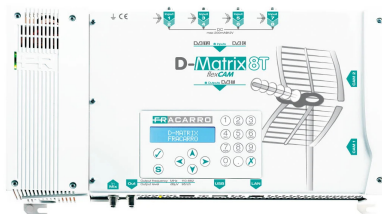


## D-MATRIX 8T

### Compact



The compact control unit **D-Matrix-8T**, represents a unique innovation on the market regarding the management and processing of Digital Terrestrial signals.

D-Matrix-8T makes it possible to receive from **8 Digital Terrestrial tuners the desired HD or SD programs (Free or encoded)**, output them back to the **8 available DVB-T (2K) digital modulators**, and relocate them throughout the TV band.

### Technical Chars

- **Multiple TV inputs:** 8 TV tuners (DVB-T2/T or DVB-C) associated in pairs to the 4 input F connectors
- **8 output DVB-T (2K) modulators** (2 batteries of 4 adjacent modulators)
- **2 Common Interface slots**
- **Optimized CAM management:** the D-MATRIX-8T allows both CAMs to be managed in 2 different operating modes: **FLEXCAM** and **STANDARD** mode
- Improved WEB interface: programming the control panel is even more intuitive.
- ARP 2.0 = **Automatic** Recovery Procedure allows you to safeguard higher priority programs and ensure continuity of service when the input data stream exceeds that allowed by DVB-T standard
- **AUTO REMAPPING functionality.** ability to change the channels to be distributed in real time without RESET TELEVISION
- **Multifunctional USB port** for uploading/downloading existing configurations, module firmware upgrade and video playback (TS supported file format).

initial_fields		
Code		283133
Input		
Input level	dB $\mu$ V	55-85
Demodulators		DVB-T2, DVB-T, DVB-C (selectable)
Input band		174-862
Channel		E5-E69
Input AFC	MHz	$\pm$ 400 (DVB-T2/T), $\pm$ 100 (DVB-C)
Symbol rate	Mbps	-
FEC		1/2, 2/3, 3/4, 5/6, 7/8 Reed Solomon (204, 188)
Remote feeding	mA	200 max (12V)
LNB controls		-

Outputs		
Multiplexes created		8 (2 groups of 4 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	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
DVB-T Modulation		
Band	MHZ	6,7,8
Output		QPSK, 16-QAM, 64-QAM
FEC		-
Carriers		2k
Guard interval modulation		1/4, 1/8, 1/16, 1/32
DVB-C Modulation		
Output		-
Single channel band		-
FEC		-
Symbol rate	Mbps	-
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	42 (2 x CAM inserted))
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		8016978097913
Packaging dimensions	mm	400 x 300 x 70
Product dimensions	mm	360 x 230 x 54
Packaging weight	Kg	2.94