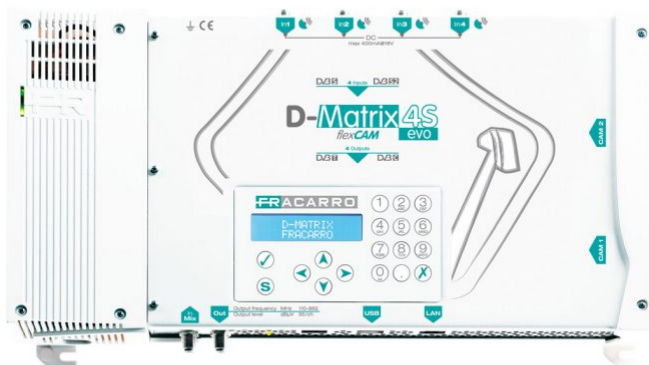## D-MATRIX-4S EVO



D-Matrix series, compact head end for transmodulation from 4 DVB-S2 trasponders to 4 DVB-T multiplex, 3 flex common interfaces

| CODE | | 283132 |
|---|---|---|
| **Inputs** | | |
| Input no. | | 4 |
| Demodulation | | DVB-S2 (8-PSK, QPSK), DVB-S (QPSK) |
| Band | MHz | 950-2150 |
| Channel width | MHz | 6,7,8 |
| AFC dynamics | kHz | ±5 |
| Symbol rate | Msymb/sec | 16469 |
| FEC | | 1/2, 2/3, 3/4, 5/6, 7/8, AUTO |
| LNB controls | | DiSEqC 1.0 |
| Level | dBμV | 50-80 |
| **Outputs** | | |
| 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 | dBμV | 95 |

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| Level adjustment | dB | 0-20 |
|---|---|---|
| Flatness in band | | ±1.5 |
| MER | dB | ≥36 |
| Spurious rejection | dB | <-50 |
| Spectrum | | Normal, inverted |
| Mode of operation | | Normal, single carrier |
| **DVB-T Modulation** | | |
| Modulation | | QPSK, 16-QAM, 64-QAM |
| 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 |
| **DVB-C Modulation** | | |
| Modulation | | 16QAM, 32 QAM, 64QAM, 128QAM, 256QAM |
| Band of each channel | MHz | Related to the output symbol rate |
| FEC | | Reed Solomon (204, 188) |
| Symbol rate | Msymb/sec | 1000-6999 |
| **Features** | | |
| Programming mode | | Web interface, keyboard and display |
| Consumption | W | 42 (with 2 CAMs) |
| Common interface | | 2 x PCMCIA (Standard EN50221, TS10169) Flex CAM or Standard Mode |
| Dimensions | mm | 360x230x54 (without CAM) – 385x230x54 (with CAM) |
| Operating temperature | C° | -5 ÷ +55 (without CAM) |