

2xDVB-S/S2/S2X + 2xFlexCAM to 4xDVB-T/C

## **Features**

- D 2 independent multi-standard inputs DVB-S/S2/S2X
- 2 FlexCAM
- ▶ 4 RF outputs DVB-T/C (software selectable)
- D "Multistream" reception support
- D "Pool" technology
- ) MER value > 42dB
- ▶ PID filtering
- Dual power supplies offering redundancy mode

- Custom NIT/SDT
- D Local or remote control via webserver
- **■** Very friendly user interface
- **>** Wall or rack mount options
- **D SNMP v2**
- **■ D** Ultra-compact size
- 5-year warranty

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## MLC-101

## 2xDVB-S/S2/S2X + 2xFlexCAM to 4xDVB-T

- The MLC-101 is a very powerful, all-in-one mini headend device, able to receive up to 2 independent satellite (DVB-S/S2/S2X) signals with 2x CI interfaces and convert them either in 4 x DVB-T/C RF output channels. Moreover, the MLC-101 supports "multistream" satellite reception too. The FlexCAM technology provides the ability to the user to connect the CAMs either at the inputs or the outputs of the device.
- It supports "pool" technology, meaning that the user is able to select any program from any of the two inputs and assign them to any of the 4 RF or IP outputs providing great flexibility.
- The embedded web server of the MLC-101 provides a very friendly user interface as well as the ability of remote or local control of the device via LAN.
- Its small size and its powerful features render the MLC-101 the ideal solution in case we want to distribute FTA (Free-To-Air) or scrambled TV programs coming from satellite (DVB-S/S2/S2X) sources to a CATV installation using the DVB-T/C.

## **Technical Specifications**

| Input                       |  | RF Outp  |
|-----------------------------|--|----------|
| Type                        | 2 x DVB-S/S2/S2X                                 | Туре     |
| Frequencies                 | 9502150 MHz DVB-S/S2/S2X                         | Output F |
| Multistream support         | Yes  | Output I |
| Connector                   | 75Ω - F, female                                  | Connect  |
| Descrambling                | Yes, Accepts 2 x universal CAM capable           | Output A |
|                             | of connecting either on input or output          | MER      |
| LNB                         |  | DVB-T (  |
| Voltage                     | OFF / 13V / 18V                                  | Bandwid  |
| Current                     | Less than 400mA                                  | Mode     |
| 22 kHz signal               | On / Off   | Constell |
| 22 kHz signal - Voltage     | 0.65V ±0.35V                                     | Guard in |
| 22 kHz signal - Frequency   | 22 KHz ±4Hz                                      | Code ra  |
| 22 kHz signal - DiSEgC      | 1.0 (Port A, B, C, D)                            |          |
|                             |  | DVB-C (  |
| DVB-S (IN)                  |  | Bandwid  |
| Symbol rate                 | 1 - 55 MBaud                                     | Mode     |
| Roll off factor             | 0.2, 0.25, 0.35                                  | Constell |
| Code rate                   | 1/2, 2/3, 3/4, 5/6, 7/8 (αυτόματο)               | Symbol   |
| Spectral inversion          | Reverse, Non-reverse (αυτόματο)                  | ,        |
|                             |  | Program  |
| DVB-S2 (IN)                 |  | Ethernet |
| Constellation               | QPSK, 8PSK (Automatic)                           | Speed    |
| Symbol rate                 | 1 - 55 MBaud (QPSK)                              | Connect  |
|                             | 1 - 45 MBaud (8PSK)                              | Browser  |
| Roll off factor             | 0.2, 0.25, 0.35 (Automatic)                      |          |
| Code rate                   | 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10          | General  |
|                             | (QPSK-Automatic)                                 | Power su |
|                             | 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)   | Power su |
| Spectral inversion          | Reverse, Non-reverse (Automatic)                 | Operatir |
| ·                           |  | Storage  |
| DVB-S2X (IN)                |  | Humidit  |
| Constellation               | QPSK, 8PSK (Automatic)                           | Dimensi  |
| Symbol rate                 | 1 - 45 MBaud (QPSK)                              | Weight   |
|                             | 1 - 30 MBaud (8PSK)                              |          |
| Roll off factor             | Από 0.05 έως 0.35 (Automatic)                    |          |
| Code rate                   | 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Au | tomatic) |
|                             | 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)   |          |
| Transport Stream Processing |  |          |
| Services                    | User selection by service names                  |          |
| Automatic regeneration      | PAT, CAT, SDT, PMTs, EITs tables                 |          |
| NIT                         | Pass-through, custom,automatic                   |          |
| DOD                         |  |          |

| RF Output                |   |
|--------------------------|---|
| Type                     | 4 x RF out in adjacent channels             |
| Output Frequencies       | 110950 MHz (1 Hz step)                      |
| Output Level             | 90dBuV                                      |
| Connector                | 75Ω - F, female                             |
| Output Attenuator        | 020dB                                       |
| MER                      | More than 42dB                              |
| DVB-T (OUT)              |   |
| Bandwidth                | 5, 6, 7, 8 MHz                              |
| Mode                     | 2K, 8K                                      |
| Constellation            | QPSK, 16QAM, 64QAM                          |
| Guard interval           | 1/4, 1/8, 1/16, 1/32                        |
| Code rate                | 1/2, 2/3, 3/4, 5/6, 7/8                     |
| DVB-C (OUT)              |   |
| Bandwidth                | 5, 6, 7, 8 MHz                              |
| Mode                     | 2K. 8K                                      |
| Constellation            | 16QAM, 32QAM, 64QAM, 128QAM, 256QAM         |
| Symbol rate              | 1-7.2 Ms/s                                  |
| Programming Interface    |   |
| Ethernet webserver       | Yes, embedded webserver                     |
| Speed                    | 10/100 Mbps                                 |
| Connector                | RJ45  |
| Browser compatibility    | Chrome, Firefox, Safari, Opera, Edge et al. |
| General                  |   |
| Power supply             | 2 x +12VDC                                  |
| Power supply consumption | 1.8A max.                                   |
| Operating temperature    | 0 °C to 40 °C                               |
| Storage temperature      | -10 °C to +70 °C                            |
| Humidity                 | Up to 90%                                   |
| Dimensions               | 235 x 115 x 48 mm                           |
| Weight                   | 450 q                                       |
|                          |   |





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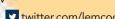
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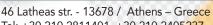
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