

## DVB-T-T2 REGENERATOR



DVB-T-T2 Regenerator is professional **multichannel** device which allows to completely restore a weak noisy signals and transmit them for further broadcasting. It regenerates the signals of the **DVB-T/T2 to T/T2** standard.

| Inputs   |  |
|--|--|
| The input level                                  | -65 ... -25 dBm  |
| RF Frequency range (DVB-T)                       | 10 MHz-1100 MHz in 1 kHz-steps                             |
| Interface, connector type                        | RF, N-type (F or SMA as option)                            |
| RF Output:                                       |  |
| RFout (50 )                                      | 80-100 dB $\mu$ V  |
| Number of inputs, connector type                 | RF output N-type (F or SMA as option)                      |
| Injection  | Optionaly can provide injection of DC and 10 MHz reference |
| Modulation parameters DVB-T mode (T2 by request) |  |
| Constellation                                    | QAM16 / QAM32 or QAM64 (by request)                        |
| Modulation Error Rate (MER)                      | >40 dB   |
| FEC  | 1/2 , 2/3 , 3/4 , 5/6 , 7/8                                |

|                               |   |
|-------------------------------|---|
| <b>Symbolrate</b>             | —   |
| <b>Bandwidth</b>              | 5, 6,7,8 MHz  |
| <b>Signals injection</b>      |   |
| <b>10 MHz reference</b>       | $10^{-6}$ - $10^{-8}$ stability (optionally)  |
| <b>Power injection</b>        | for the BUC 24V, 3A (optionally)  |
| <b>Adjustment</b>             |   |
| <b>Interface</b>              | RJ-45, Ethernet   |
| <b>Power Supply</b>           |   |
| <b>Input Voltage</b>          | 110-240 V AC, 50/60 Hz  |
| <b>Power Consumption</b>      | 6W per channel  |
| <b>Environmental</b>          |   |
| <b>Operating Temperature</b>  | 0 to 45 (32 to 113 )  |
| <b>Storage Temperature</b>    | -20 to 80 (-4 to 176 )  |
| <b>Operating Humidity</b>     | 90%, non-condensing   |
| <b>Mechanical</b>             |   |
| <b>Dimensions (W x H x D)</b> | 1RU: 483mm x 44.5mm x 450mm, 19" x 1.73" (1RU) x 17.7"<br>2RU: 483mm x 89mm x 450mm, 19" x 3.5" (2RU) x 17.7" |

*Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters*

*listed on each device webpage.*

**Note!** All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.