

## DTRE-1000 – DTV RE-MODULATOR

The DTRE\_1000 DVB QAM re-modulator is a part of a digital equipment family developed by Teletechnika Kft. The DTRE-1000 is able to regenerate the standard DVB-C signals at 16, 32 or 64 QAM modes. The equipment at the receiver side extracts the original baseband Transport Stream, performs the error correction, then the regenerated stream will have a new error correction (FEC). Then at the output a previously set carrier frequency will be modulated with the regenerated Transport Stream. The output frequency setting is independent from the input frequency, thus this equipment allows a simple frequency transform as well. The incoming and outgoing modulation modes are coherent, but on request, the option of different modulation modes are available. The transmitted data rate can be 0,9MS/s to 6,99 MS/s. The RF input, and output can be biased. The equipment operates from 230V 50Hz mains. The equipment can be fully controlled from the front panel. The DTRE-1000 has a management software as well, thus all of the settings can be accessed by computer, and the device can be continuously monitored via an Ethernet port.



### The main parameters of the equipment:

- 16-, 32-, 64-QAM modulation modes acc. to EN 300 744
- Adjustable input bitrate, and symbol rate
- Programmable input and output frequency (51-858 MHz)
- Input frequency step: 62.5 KHz
- Output frequency step: 250 kHz
- High output level, high spectrum clearance
- Compliant with DVB, DAVIC and ITU-T J.83 Annex A,B,C
- KF connection: 75 Ohm 'F' female
- Data throughput between 0,9...6,9999 MS/s
- Output frequency raster 8 MHz
- Input frequency raster 62.5 KHz
- Mains: 230 V AC 50/60Hz
- Power consumption: 25 W