# DVB-C MODULATOR



**Multichannel** DVB-C modulator is developed special for professional TV broadcasting. It supports modulations **from QAM to QAM256** with high MER **more than 27 dB**.

This type of modulator supports the DVB-C standard. DVB-C Modulator is controlled by our own developed VCC software by Ethernet. DVB-C Modulator has input BNC connector and can be produced with N-, F- or SMA-type of output connectors by order. The DVB-C Modulator is professional device and it is usually used by TV operators for modulation up to QAM256.

**KEY FEATURES:**

- supports symbol-rate up to 45 Msymb/s
- output frequency range of 70 – 865 MHz
- supports constellations up to QAM256
- has high modulation error rate (MER)
- has output level of 80-107 dBµV
- can be produced from 1 to 32 independent modulation channels
- optionally has 10 MHz reference and DC injection

**MAIN FUNCTIONS:**

- remote control by Ethernet
- if power is lost all saved settings are recovered in the device after restoration of supply
- integrated over-voltage protection (by power supplying)
- integrated over-load protection (by power supplying)
- integrated short-circuit protection (by power supplying)

| Inputs | |
|---|---|
| Interface, connector type | RF, N-type (F or SMA as option) |
| **RF Output** | |
| RF output (50Ω) | 80-100 dBµV |
| 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** | |
| Constellation | QAM ... QAM256 |
| Modulation Error Rate (MER) | >45 dB |
| Symbolrate | 1000–7000 kSymbol/s |
| Bandwidth | defined by symbolrate |
| **Signals injection** | |
| 10 MHz reference | 10-6-10-8 stability (optionally) |
| Power injection | for the BUC 24V, 3A (optionally) |
| **Adjustment** | |
| Interface | RJ-45, Ethernet |
| **Power Supply** | |
| Input Voltage | 110-240 VAC, 50/60Hz |
| Power Consumption | 6W per channel |
| **Environmental** | |
| Operating Temperature | 0 to 45 (32 to 113 ) |

| | |
|---|---|
| Storage Temperature | -20 to 80 (-4 to 176 ) |
| Operating Humidity | 90%, non-condensing |
| **Mechanical** | |
| Dimensions (W x H x D) | 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.