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'' 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.*