



## Modulator dvb-s2 / s



DVB-S2 / DVB-S Modulator unit is professional equipment for using by operators of television networks and performs modulation from QPSK up to 32APSK. Modulator has from 1 to 6 independent channels formed in a single housing 19" height 1U or 2U.

DVB-S2 / DVB-S Modulator unit is professional equipment for using by operators of television networks and performs modulation from QPSK up to 32APSK. Modulator has from 1 to 6 independent channels formed in a single housing 19" height 1U or 2U. This device performs modulation digital stream RF carrier frequency in a full L-band range (950 MHz-2150 MHz) according to the standards DVB-S, DVB-S2

### KEY FEATURES:

- Frequency range: full L-band 950 - 2150 MHz
- Support DVB-S and DVB-S2 standards
- Constellation QPSK, 8PSK, 16APSK and 32 APSK
- Hight modulation error rate (MER) >27 dB
- Input bitrate 1-32 MSymbol/s in 1 kSymbol-steps
- Output level 80-107 dB $\mu$ V
- Optionally 10 MHz reference and DC injection

Inputs / Outputs	
<b>Number of inputs, connector type</b>	from 1 to 6 x ASI, BNC, Female, 75 $\Omega$ 1 x RS-232, Control 1 x PS 220V, 50 Hz
<b>Number of outputs, connector type</b>	from 1 to 6 x IF, F-type, Female, 75 $\Omega$ (N-type, Female, 50 $\Omega$ - optional)
Modulation parameters DVB-S mode:	
<b>Constellation</b>	QPSK
<b>Modulation Error Rate (MER)</b>	>27 dB
<b>FEC</b>	1/2, 2/3, 3/4, 5/6, 7/8
<b>Symbolrate</b>	1-32 MSymbol/s in 1 kSymbol-steps
<b>RFout (50<math>\Omega</math>)</b>	80-107 dB $\mu$ V
Modulation parameters DVB-S2 mode:	
<b>Constellation</b>	QPSK, 8PSK, 16APSK, 32APSK
<b>Modulation Error Rate (MER)</b>	>27 dB
<b>FEC (LDPC)</b>	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
<b>Symbolrate</b>	1-32 MSymbol/s in 1 kSymbol-steps

<b>Roll-Off-Factor</b>	0.2, 0.25, 0.35
<b>Pilots</b>	on/off
<b>RFout (50Ω)</b>	80-107 dBμV
<b>Signals injection</b>	
<b>10 MHz reference</b>	10 <sup>-6</sup> -10 <sup>-8</sup> stability (optionally)
<b>Power injection</b>	for the BUC 24V, 3A (optionally)
<b>Adjustment</b>	
<b>LCD &amp; Keyboard</b>	for management, at the front panel (optionally)
<b>RS-232</b>	at the rear panel
<b>Power Supply</b>	
<b>Input Voltage</b>	110-240 VAC, 50/60Hz
<b>Power Consumption</b>	6W per channel
<b>Environmental</b>	
<b>Operating Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 80°C (-4°F to 176°F)
<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" 2RU: 483mm x 89mm x 450mm, 19" x 3.5" (2RU) x 17.7"
<b>Weight</b>	1RU: 3Kg (6.6 lbs), 2RU: 6Kg (13.2 lbs)

*Taking into consideration that we (ROKS PrJSC) 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.