



## Regenerator dvb



Regenerator DVB is a professional multi-channel device which allows completely restore a weak noisy signal and transmit in further broadcast. It can regenerate signals of next standards: DVB-T to T, DVB-C to C, DVB-S/S2 to S/S2.

### KEY FEATURES:

- From 1 to 8 independent channels of signals regeneration;
- Supported Digital Video Broadcasting standards: T, C, S and S2 (optional);
- Reliable N-type (F or SMA as option) input and output for RF signal;
- Grouping I / O in one (optional);
- The powerful and stable output RF signal;
- High reliability and stability: benefit from its highly reliable hardware and software design;
- Remote control by IP interface;
- Convenient management and maintenance – supports Web browser (with IP option);

### Multiple protective mechanisms are included:

- 2 reliable power supplies;
- power failure memory recovery;
- over-voltage;
- over-load;
- short-circuit protection.



Inputs	
<b>The input level</b>	-65 ... -25 dBm
<b>RF Frequency range (DVB-S/S2)</b>	70 MHz-2200 MHz in 1 kHz-steps
<b>RF Frequency range (DVB-C/T)</b>	10 MHz-1100 MHz in 1 kHz-steps
<b>Number of inputs, connector type</b>	RF input N-type (F or SMA as option)
RF Output:	
<b>RFout (50Ω)</b>	80-100 dBμV
<b>Number of inputs, connector type</b>	RF output N-type (F or SMA as option)
<b>Injection</b>	Optionally can provide injection of DC and 10 MHz REF
Modulation parameters DVB-C mode (option)	

<b>Constellation</b>	QAM16 / QAM32 / QAM64 / QAM128 or QAM256 (by request)
<b>Modulation Error Rate (MER)</b>	>45 dB
<b>FEC</b>	not available by DVB-C standart
<b>Symbolrate</b>	1000-7000 kSymbol/s
<b>Bandwidth</b>	defined by symbolrate
<b>Modulation parameters DVB-T mode (option)</b>	
<b>Constellation</b>	QAM16 / QAM32 or QAM64 (by request)
<b>Modulation Error Rate (MER)</b>	>40 dB
<b>FEC</b>	1/2 , 2/3 , 3/4 , 5/6 , 7/8
<b>Symbolrate</b>	-
<b>Bandwidth</b>	5, 6,7,8 MHz
<b>Modulation parameters DVB-S mode (option)</b>	
<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>	1-45 MSymbol/s
<b>Bandwidth</b>	defined by symbolrate
<b>Modulation parameters DVB-S2 mode (option)</b>	
<b>Constellation</b>	QPSK / 8PSK / 16APSK or 32APSK (by request)
<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
<b>Roll-Off-Factor</b>	0.2, 0.25, 0.35
<b>Pilots</b>	on/off
<b>Bandwidth</b>	defined by symbolrate
<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>Interface</b>	IP Management
<b>Type of software</b>	Web management
<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 (approx.)</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.*