

Product Features

- DVB-S2 compliant (EN 302 307)
- DVB-S compliant (EN 300 421)
- Modulation type supported: QPSK, 8PSK
- Output data format: MPEG Transport stream, ASI
- Input frequency range: 950 MHz - 2150 MHz
- Control interfaces: WEB GUI, serial port, front panel, optional SNMP
- Remote software upgrade



Product Description

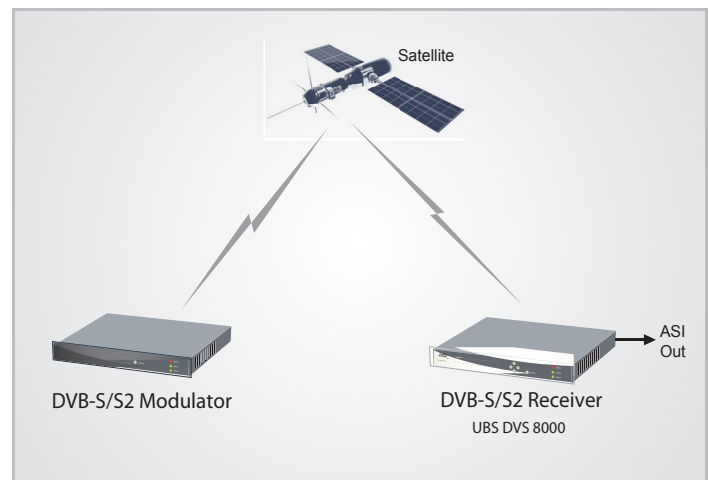
The DVB-S/S2 satellite receiver and demodulator is designed to receive and demodulate both DVB-S2 and DVB-S satellite signals.

The receiver is equipped with an L-Band input frequency range of 950 MHz to 2150 MHz.

The input provides DC power and band selection signals compatible with most professional and commercial LNBs.

The output signal is an MPEG transport stream, ASI interface.

All control and monitoring parameters are available locally on the front panel LCD display and keypad, as well as remotely through the WEB interface or through the serial ports.



Application Diagram

DVB-S/S2 Receiver

Model: DVS 8000



Fig.1 - Rear Panel

Product Specifications (specifications are subject to change without notice)

VSAT Input

Connector	VSAT Antenna: F-type (F), 75 ohm
Operating Frequency Range	950 MHz - 2150 MHz
Level	-65 dBm to -25 dBm
LNB Voltage	12 to 18 VDC
LNB Current	Two selectable output current limits: 450 mA / 750 mA
LNB Communication	Integrated DisEqC controller

Transport Stream Output

Signal	MPEG-2 Transport Stream
Connectors	2 DVB-ASI outputs: BNC (F), 75 ohm

Signal Processing

Data Rates	1 - 45 Mbps
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Multistandard Demodulation

Legacy DVB-S and DIRECTV	QPSK
DVB-S2	QPSK, 8PSK DVB-S2 Pilot processing

Multistandard Decoding

Legacy DVB-S and DIRECTV	<ul style="list-style-type: none"> • Viterbi soft decoder rate 1/2 • Puncture rates 1/2, 2/3, 3/4, 5/6, 6/7, 7/8 • Outer Reed-Solomon decoder as for DVB-S system • Energy dispersal descrambler
DVB-S2	<ul style="list-style-type: none"> • LDPC and BCH decoder as for DVB-S2 requirements • Supported rates: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, as for DVB-S2 standard

Control Interfaces

Front Panel	LCD display and cursor/ execute keys
RS232 Interface	Connector DB9 (M) Protocol: CLI (Command Line Interface)
RS485 Interface	Connector DB9 (F) Protocol: CLI (Command Line Interface)
Web Interface	Internet Explorer 6.0+. Connector: RJ45 Ethernet 10/100 Base-T
SNMP (optional)	Supported via Ethernet 10/100 Base-T interface

Power Supply

Voltage	100 - 120 VAC / 200 - 240 VAC
Frequency	50 - 60 Hz
Power Consumption	max. 40 VA

Mechanical

Size	1 U of 19" wide cabinet
Dimensions (W x H x D)	483mm x 44mm x 356mm 19.0" x 1.75" x 14.0"
Weight	6 kg (13 lbs.)

Environmental

Operating Temperature	0°C to +50°C (+32°F to +122°F)
Storage Temperature	-30°C to +70°C (-22°F to +158°F)
Relative Humidity (operating/storage)	max. 95%, non condensing
Cooling	Fan to assist natural convection