

ReMod IP™ + DVB-S-S2/4ch

Broadcast Quality, Frequency Agile, 1 RU, Multichannel, DVB-S-S2, Satellite Modulator with up to four each single channel modulator modules. RF, ASI, IP, QAM, ISDB-Tb, or DVB-T2 outputs are available besides DVB-S-2. Designed for Hospitality Industry where satellite content is repurposed via existing RF infrastructure.

Features

- Modulator with up to four each single channel modulator modules
- Inputs: DVB-ASI, files from internal microSD Card, and IP (UDP/RTP)
- Supports Pro-MPEG FEC on IP input
- Outputs: One DVB-S/S2 channel per module
- Each modulator module may have up to four BNC connectors which can be DVB-ASI input, DVB-ASI output, or SMPTE-310M input
- SNMP (Gigabit Ethernet) management support
- Optional FAULT contact output
- ETS 302 307 standard compliant
- Supports subtitles
- Programmable RF output frequency 55~2150 MHz (1 Hz step)
- Programmable RF output level -80 ~ 0dBm (0.1dB step)
- White noise addition over modulated signal to have desired C/N ratio
- SNMP (10/100/1000 Ethernet) remote web-based LAN management
- Firmware upgradeable via Internet
- SNMP management support (GigE)
- 2 lines by 40 characters LCD display



Overview

Satellites revolutionized long distance content delivery. Satellite modulators are the workhorses of the content delivery industry. DVB-S and DVB-S2 are the RF modulation standards used for satellite broadcasting worldwide.

The ReMod IP™ + DVB-S-S2/4ch is designed to repurpose free to air satellite content to cable or terrestrial tuner equipped televisions. This is an attractive proposition in hotels and other venues.

The ReMod unit supports four slots for either tuners or modulators. A fifth slot is used by the power supply. Each tuner sees one satellite transponder. Each modulator supports four adjacent frequencies whether it be QAM, DVB-C2, DVB-T2, or ISDB-T. Since each tuner module supports IP in as well as RF, in the event that satellite signal is lost, the tuner unit switches to its IP input.

As mentioned above the target market for this device is hospitality. This purposefully built device was not previously available in a single compact 1 RU device.

Applications

- Hospitality
- Product Testing



Computer Modules, Inc.

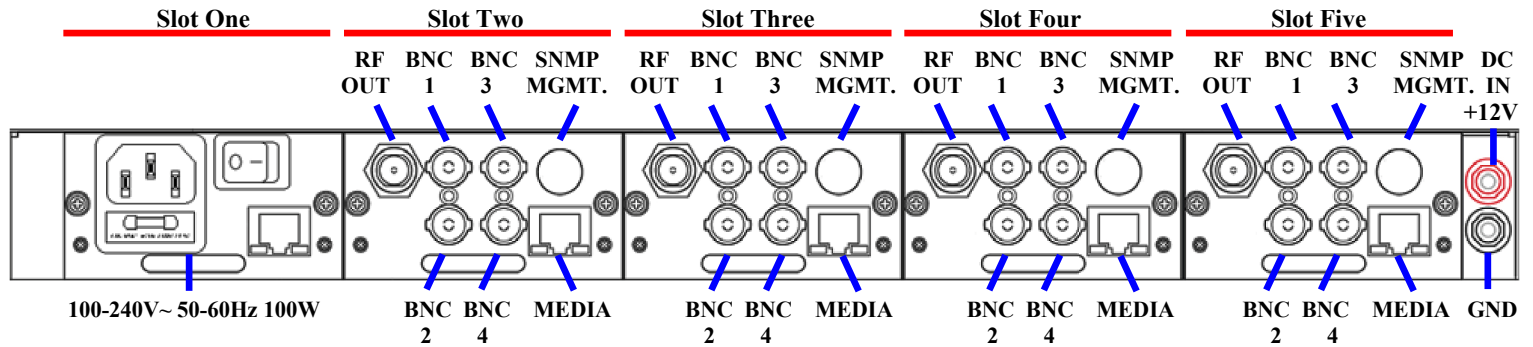
11409 West Bernardo Court

San Diego, CA 92127

Tel: (858) 613-1818 Fax: (858) 613-1815


www.dveo.com

Rear View



Specifications

Front Display/Keys	<ul style="list-style-type: none"> 2 lines by 40 characters LCD 11 keys for Easy Control ENTER, EXIT, ARROW, and Slot Selection Keys
Slots	Five slots: One power supply module and four modulator modules
TS Input	
Formats:	IP (with FEC), DVB-ASI
Connectors:	75 ohm BNC, RJ-45
File Input	
Format:	Micro SD reader hidden inside
RF Output	
Channel:	950-2150 MHz RF Selectable
Connector:	75 Ohm BNC
Frequency:	VHF/UHF 55~2150MHz in 1 Hz steps
Level:	Programmable RF output level (0.1 dB steps from 0 to -80dBm)
Freq Accuracy:	Within 3ppm accuracy
Phase Noise:	<-90dBc/Hz @ 10KHz
DVB-S (QPSK) RF Output	
Standard	ETSI EN 300421 (DVB-S) compliant
Code Rates	1/2, 2/3, 3/4, 5/6, 7/8
Symbol Rates	1~45 M symbols/s
DVB-S2 RF Output	
Standard:	ETS 302 307 Broadcast services compliant
LDPC Code:	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, and 9/10 supports
Modulation Mode:	QPSK, 8PSK, 16APSK, 32APSK
Baseband Shaping Filter:	Roll-off 0.20, 0.25, 0.35, none, selectable
Symbol Rates:	1~45 M symbols/s
Support MIS (multi input stream):	Supports up to four streams

Ethernet Input/Output	10/100/1000 Mbps MPEG over RTP/UDP FEC supported (Pro MPEG) (IP in)
Management Ethernet	10/100/1000 Mbps SNMP, Web-browser manager
Optional FAULT Output	Contact Open on Fault
Output DC Blocking Voltage	50V max
Network Management	NMS supported through SNMP
Local Management	Front panel display LCD display for use with optional decoder module
Unit	1 RU 19-inch rackmountable
Operating Temperature	+0 ~ +45°C (32 to 113°F)
Storage Temperature	-20 ~ +50°C (-4 to 122°F)
Operating Humidity	10 to 90%, Non-condensing
Power Supply Module	AC 100-240V~ 50-60Hz 120W max DC 12V 8A max output
Dimensions	HxWxL: 1.7 x 19 x 13.6 inches (4.3 x 48.26 x 34.55 cm)
Weight	14 lbs. (6.356 kg.)
Conformities	 FCC, RoHS CE Mark: Electromagnetic Compatibility Directive 2004/108/EC Low Voltage Directive 2006/95/EC

Ordering Info

ReMod IP + DVB-S-S2/4ch
 Also available for QAM, DVB-C2, DVB-T2, or ISDB-Tb



Computer Modules, Inc.
 11409 West Bernardo Court
 San Diego, CA 92127

Tel: (858) 613-1818 Fax: (858) 613-1815

www.dveo.com