

## DVB-S / S2 BROADCAST MODULATOR



UPCOM's DVB S/S2 L-BAND MODULATOR, is a high-performance, reliable QPSK/8PSK modulator that converts data streams into high quality L-BAND RF DVB-S and DVB-S2 Signals.

It can be used for TV broadcasting, data broadcasting, content delivery, news contribution and works seamlessly with UPCOM's line of encoders and IP encapsulators. DVB-S2 adopts advanced framing structure, channel coding and modulation technology increasing over 50% of transmission capacity over DVB-S modulation under some conditions.

At the output of the modulator, the signal is available in L-band with BUC power supply, (24V) and 10MHz reference.

### ADVANTAGES

- DVB-S and DVB-S2 encoding
- Internal 10MHz and 24VDC
- BISS-1 and BISS-E Standard
- Front panel and remote configuration
- Easy Operation & Deployment
- Very Cost Effective

### APPLICATIONS

- HDTV, SDTV and Data Broadcasting
- DSNG and IP
- Direct-to-Home
- Production Testing
- Satellite Trucks

### SPECIFICATIONS

#### Data Interfaces

Two ASI Inputs

BNC Connector - 75Ω Impedance  
188/204 bit Packet Format  
270Mbps Access Data Rate  
45Mbaud Max (DVB-S)  
30Mbaud Max (DVB-S2)  
BNC Connector - 75Ω Impedance  
0.2, 0.25, 0.35

ASI Output Loop

Roll-Off Factor

#### RF Interfaces

RF Output

N Connector 50Ω Impedance  
Frequency 950~2150MHz

Attenuation

0 to 31.5dB

Network Management

RJ45 Ethernet Interface

Display

2 Line backlit LCD

Control

Front Panel or M&C Software

Altitude

Up to 10,000ft

Operating Temperature

0° to +45°C

Storage Temperature

-25° to +55°C

Humidity

10 to 75%

Radiation/Safety

up to GB13837-92 and GB8898-8

Shock and Vibration

Equal to mobile van or stationary rack

AC Power

90VAC to 265VAC

50/60Hz

Power Consumption

25W

Dimensions

19"W 2"H 13"D

Weight

9lbs

### KEY FEATURES

- DVB-S/S2 STANDARD FEC
- DVB-S/S2 RATES FROM 0.1 TO 45MBAUD STANDARD
- FRONT PANEL AND IP CONTROL
- FULL L-BAND SPECTRUM
- BISS-1 AND BISS-E STANDARD
- 10MHz & 24VDC STANDARD
- TWO YEAR FACTORY WARRANTY

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