

DVB-S/S2 MPEG-2/4 MODULATOR / ENCODER



The DVB S/S2 L-BAND DSNG ENCODER/MODULATOR, is a high-performance, reliable QPSK/8PSK encoder/modulator that converts video 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
- MPEG-2 / MPEG-4 Encoder Boards
- 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

Encoding Board Options (choose one)	MPEG-2/H.264 AVC L4 on HD MPEG-2/H.264 AVC L3 on SD
HD/SD-SDI IN	CBR/VBR .25 to 20.5 Mbps
HDMI	MPEG-2/H.264 AVC L4 on HD MPEG-2/H.264 AVC L3 on SD
Composite	CBR/VBR .25 to 20.5 Mbps
Data Interfaces	MPEG-2/H.264 AVC SD
ASI Input	CBR/VBR .25 to 20.5 Mbps
ASI Output	BNC Connector - 75Ω Impedance 188/204 bit Packet Format 270Mbps Accesss Data Date
Symbol Rate	BNC Connector - 75Ω Impedance 188/204 bit Packet Format 270Mbps Accesss Data Date 0.5-20Mbaud Max
Roll-Off Factor	0.2, 0.25, 0.35
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

KEY FEATURES

- DVB-S/S2 STANDARD FEC
- DVB-S/S2 RATES FROM 0.5 TO 20MBAUD 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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