BLANKOM®
Professional Headend Solutions

HDS 8440

DVB-S2 Modulator

DVB S/S2
DVB S2X

- Fully complying with DVB-S (EN300 421), DVB-S2 (EN302 307-1) and DVB-S2X (EN 302 307-2) standards
- 4 ASI inputs enabling hot backup (3 for backup), supporting 108/204 Byte Packet TS Input
- IP (100M) input TS over UDP
- QPSK, 8PSK, 16APSK, 32APSK, 8PSK-L,16APSK-L, 32APSK-L
- RF Carrier-ID (CID) setting
- Constant temperature crystal oscillator (0.1ppm stability)
- 10MHz clock syncing and output through RF port
- SFN TS support, with MIP or IIP
- 24V power output through RF output port
- BISS scrambling mode 0/1/E
- Local and remote control with SNMP or Web-server NMS
- Output frequency range: 950~2150MHz, 10kHz stepping
- Updates via web.
- Professional quality, breakthrough price.

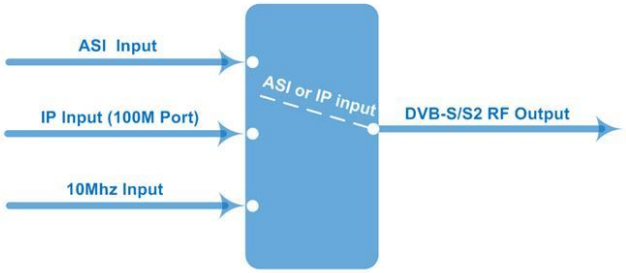
BLANKOM HDS 8440 is a high-performance modulator developed according to DVB-S2 (EN302307) which is the second generation European broadband satellite telecommunication standard.

It converts the ASI and IP signals at the input alternatively into digital DVB-S/S2 RF or IF output. BISS scrambling mode is available.

It can be operated locally or remotely with any web browser or SNMP software.

With its state of the art design, BLANKOM HDS 8440 DVB-S2 modulator is suitable for use at broadcast uplink stations, interactive services, SNG satellite news gathering and other broadband satellite applications.

DVB-S/S2/S2X Modulator with IP and ASI Input, RF or IF Output



Technical specifications:

ASI Input	Supporting both 188/204 Byte Packet TS Input		
	4 ASI Inputs, Supporting Hot Backup		
	Connector: BNC, Impedance 75Ω		
IP Input	1*IP Input (RJ45, 100M TS Over UDP)		
SFN Output	MIP or IIP		
10MHz Input	1*External 10 MHz Input (BNC Interface)		
RF Output	RF Range: 950 ~ 2150 MHz, 10 kHz Stepping		
	Output Level Attenuation ： -10.0 dBm~-41.5 dBm, 0.5 dBm Stepping		
	MER ≥ 36 dB		
	Connector: N type, Impedance 50Ω		
Channel Coding and Modulation	Standard	DVB-S	DVB-S2
	Outer coding	RS Coding	BCH Coding
	Inner coding	Convolution	LDPC Coding
	Constellation	QPSK	QPSK, 8PSK, 16APSK, 32APSK
	FEC/ Convolution Rate	1/2, 2/3, 3/4, 5/6, 7/8	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
	Roll-off Factor	0.2, 0.25, 0.35	0.2, 0.25, 0.35
	Symbol Rate	0.05~45 Msps	0.05~40 Msps (16APSK/32APSK) 0.05~45 Msps (8PSK/QPSK)
	BISS Scrambling	Mode 0, Mode 1, Mode E	
System	SNMP/Web-server NMS		
	Language: English		
	Ethernet software upgrade		
	24V power output through RF output port		
Miscellaneous	Dimensions	482mm×410mm×44mm, 4.3kg	
	Temperature	0~45℃ (operation), -20~80 ℃ (storage)	
	Power	100-240VAC±10%, 50Hz-60Hz	

Ordering Guide:

HDS-8440	DVB-S/S2, QPSK, 8PSK, RF Output (950-2150 MHz)
HDS-8440-IF	DVB-S/S2, QPSK, 8PSK, IF Output (50-960 MHz)
Opt.1	DVB-S2X
Opt.2	16APSK, 32APSK
Opt.3	8APSK-L, 16APSK-L, 32APSK-L
Opt.4	RF Carrier-ID (CID) setting