



FW-32PSK-DC-REF IP Modulator

Outline

FW-32PSK-DC-REF is a high-performance modulator developed according to DVB-S2 standard which is the standard of second generation of the European broadband satellite telecommunication. It is to convert the input ASI and IP signals alternatively into digital DVB-S/S2 RF output.

BISS scrambling mode is inserted to this DVB-S2 modulator, which helps to safely distribute your programs. It is easy to reach local and remote control with NMS software and LCD in the front panel.

With its high cost-effective design, FW-32PSK-DC-REF DVB-S2 modulator is widely used for broadcasting, interactive services, news gathering and other broadband satellite applications.

Features

Fully complying with DVB-S2 and DVB-S standard

4 ASI inputs supporting hot backup (3 for backup)

Support IP (100M) signal input

QPSK, 8PSK, 16APSK, 32APSK Constellations

Support RF CID setting

Constant temperature crystal oscillator, as high as 0.1ppm stability

Support coupling 10Mhz clock output through RF output port

Support 24V power output through RF output port

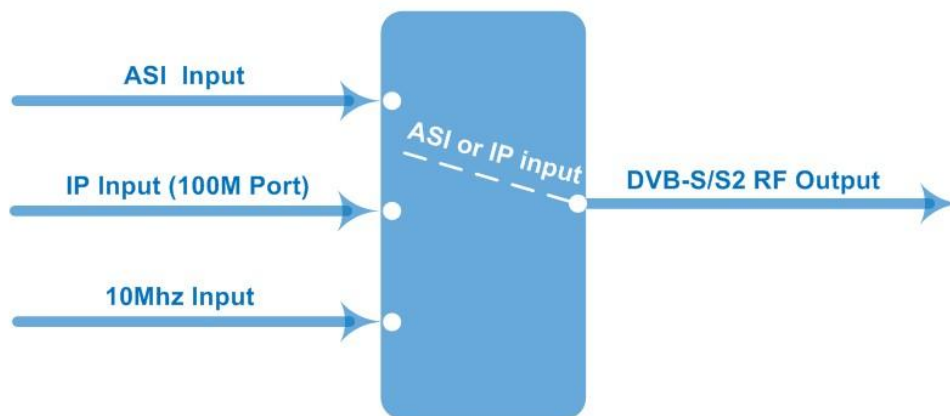
Support BISS scrambling

Support local and remote control with SNMP or Web-server NMS

Support SFN TS (with MIP or IIP) transmission

Output frequency range: 950~2150MHz, 10KHz stepping

Principle Chart



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*10Mhz Input (BNC Interface)		
RF Output	RF Range: 950 ~ 2150 MHz, 10KHz stepping		
	Output Level Attenuation : -10.0 dBm~-41.5 dBm, 0.5dB Stepping		
	MER≥36dB		
	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: 1/4, 1/3, 2/5, 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	0.5~45Msps	0.5~40Msps (32APSK); 0.5~45 Msps (16APSK/8PSK/QPSK)
	BISS Scramble	Mode 0, mode 1, mode E	
System	SNMP/Web-server NMS		
	Language: English		
	Ethernet software upgrade		
	24V power output through RF output port		
Miscellaneous	Dimension	482mm×410mm×44mm	
	Weight	4.3 KG	
	Temperature	0~45℃ (operation), -20~80℃ (storage)	
	Power	100-240VAC±10%,50Hz-60Hz	
	Consumption	25W	

