

DVB-S2 Modulator (950-2150Mhz)



Overview

DVB-S2 modulator supports 2×ASI input and outputs DVB-S2 RF signal by 8PSK/QPSK modulation. It uses advanced frame structure, channel coding modulation technology. Compared with DVB-S modulator, it increase 50% of the transmission capacity under same condition and it has stronger reception capacity under same spectral efficiency. This modulator complies with DVB-S2 EN302 307 and DVB-S (EN300 421) standard. It suits 1U rack and can be configured by front panel LCD and NMS (network management software). Its high-integrated and cost-effective design makes it widely used in varieties of digital wireless and satellite broadcasting distribution systems.

Features

- Comply with DVB-S2(EN302 307) and DVB-S (EN300 421) standard
- 2×ASI input, supports hot backup
- Support input and output signal real time monitoring
- LCD/Keyboard control by front panel and network management by Ethernet

Technical Specification

Input	ASI	ASI (DVB standard, BNC interface)
	Package Format	188/204bytes
Output	Modulation Mode	QPSK/8PSK
	Frequency Range	950-2150MHz
	Symbol Rate	17.2-40Mbaud/s
	Error-Correcting Codes	FEC: 1/2 3/5 2/3 3/4 4/5 5/6 8/9 9/10
	Input Rate	1.0-108Mbps
	Channel Data Rate	1-56Mbps
	MER	>38dB
	BER	0
	Level Attenuation Range	0-20dB (0.5dB step)
	Impedance	75Ω
	Control	Ethernet Port
General Features	Size	482mm×280mm×44mm
	Temperature Range	0~45°C (Operation); -20~80°C (Storage)
	Power	100-240VAC, 50Hz, 25W