

4IN1 ASI QAM Modulator with MUX-Scrambler



Overview

4IN1 ASI QAM Modulator with MUX-Scrambler supports 8xASI inputs and output 4xRF (4 adjacent frequencies, 1xRF port). It integrates multiplexer, scrambler and QAM/DVB-C modulator. It supports 4 CAS/SMS simulcrypt. 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 broadcasting distribution systems.

Features

- ◆ Integrated mux-scrambler modulator
- ◆ 8xASI input
- ◆ 4xDVB-C RF output
- ◆ 8M cache, anti-burst stream

- ◆ Support 4xCAS/SMS
- ◆ PID filter, pass-through and re-mapping
- ◆ PSI/SI edit
- ◆ NIT table insert and PCR correction
- ◆ LCD/Keyboard control by front panel and network management by Ethernet

Technical Specification

Input		8xASI, BNC interface
Output	Interface	4xRF, F-head
	Impedance	75Ω
	Constellation	16, 32, 64, 128, 256 QAM
	Symbol Rate	5~9 Msps, 1Ksps step
	Error-Correcting Codes	RS code188/204
	MER	≥40dB
	BER	0
	Output Level	85~105dBV
	Level Test Port	65~85dBV
	Level Attenuation Range	-20dBm~0dBm (per carrier), 0.5dB step
	Frequency Range	47MHz~870MHz
Multiplexer		from the input 5xASI
Scrambler		support 4xCAS/SMS; head-end implementation of DVB simulcrypt (ETSI TS 103 197 V1.4.1)
Management		network RJ-45 10/100 M Keyboard+LCD
General Features	Size	482mm×280mm×44mm
	Temperature Range	0~45°C (Operation); -20~80°C (Storage)
	Power	100-240VAC, 50Hz, 25W