

16 in 1 Mux Scrambling Qam Modulator with DVB-S2 Input



Outline

It is a high performance and cost-effective QAM modulator designed. It has 16 DVB-S/S2 FTA tuner input, 16 groups multiplexing, 16 groups scrambling and 16 groups QAM modulating, and supports maximum 512 IP input through GE1 port and 16 non-adjacent carriers (50MHz~960MHz) output through the RF output interface. To meet customers' various requirements, this device is also equipped with 2 ASI input ports. It is also characterized with high integrated level, high performance and low cost. It supports dual power supply (optional). This is very adaptable to newly generation CATV broadcasting system.

Key Features

- 16 DVB-S/S2 FTA Tuner + 2 ASI input+512 IP (GE1 only) input over UDP and RTP protocol
- 16*DVB-C RF output
- Excellent RF output performance index, MER \geq 40db
- Support 16 groups multiplexing+16 groups scrambling +16 groups QAM modulating
- Support accurate PCR adjusting
- Support PSI/SI editing and inserting
- Support Web management, Updates via web
- Support dual power supply (optional).

Specifications

Input	16 DVB-S/S2 FTA Tuner			
	512 IP (GE1only)input over UDP and RTP protocol			
	2 ASI input, BNC interface			
Tuner Section	DVB-S	Input Frequency	950-2150MHz	
		Symbol rate	2-45Msps	
		Signal Strength	-65~-25dBm	
		FEC Demodulation	1/2, 2/3, 3/4, 5/6, 7/8 QPSK	
	DVB-S2	Input Frequency	950-2150MHz	
		Symbol rate	QPSK 1~45Mbauds 8PSK 2~30Mbauds	
		Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6,	
		Demodulation Mode	QPSK, 8PSK	
Multiplexing	Maximum PID Remapping	128per input channel		
	Function	PID remapping (automatically or manually)		
		Accurate PCR adjusting		
		Generate PSI/SI table automatically		
Scrambling Parameters	Max simulcrypt CA	4		
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197		
	Connection	Local/remote connection		
Modulation	QAM Channel	16		
	Standard	EN300 429/ITU-T J.83A/B		
	MER	≥40db		
	RF frequency	50~960MHz, 1KHz step		
	RF output level	-20~+10dbm(87~107 dbμV),0.1db step		
	Symbol Rate	5.0Msps~7.0Msps, 1ksps stepping		
	Constellation	16/32/64/128/256QAM		
		J.83A	J.83B	
	Constellation	16/32/64/128/256QA	64/256 QAM	

	Bandwidth	8M	6M
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System	Local interface	LCD + control buttons
	Remote management	Web NMS (10M/100M)
	RF Out	16 DVB-C output
	Language	English and Chinese
	Software Upgrading	Web
General	Dimension (W*D*H)	482mm×300mm×44.5mm
	Weight	3.7kg
	Temperature	0~45°C(Operation) ; -20~80°C(Storage)
	Power	AC 100V±10%/50/60Hz; AC 220V±10%, 50/60HZ
	Consumption	25W