12 DVB-S/S2 BISS to 4 COFDM Modulator

Model : 12S-4T

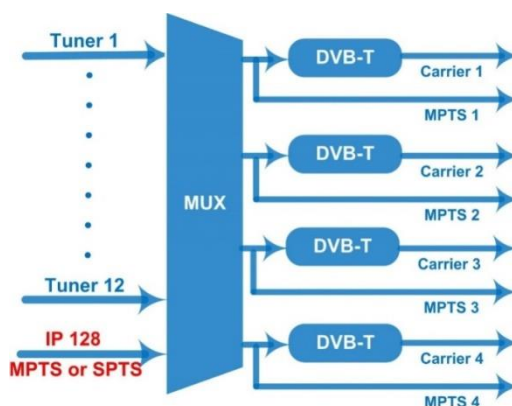
Product Description:

     12S-4T 12 DVB-S/S2 BISS to 4 COFDM Modulator is a high performance and cost-effective DVB-T modulator designed It has 12 DVB-S2 tuner inputs, after multiplexing, and modulating process, then it gives 4 RF output. To meet customers' various requirements, this device is also equipped with 128 IP input and 4 MPTS output over UDP and RTP. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, 12S-4T can support Biss descrambling (Optional) and can be upgraded and controlled through network system, which allows it to be widely used in setting up digital broadcasting network and provide good signals for scientific laboratory and DVB-T STB.

Features:

1. 12 Tuner (DVB-S2) input ports

2. Support maximum 128 IP input (MPTS/SPTS) over UDP and RTP protocol

3. Support 4 groups multiplexing +4 groups DVB-T modulating----12S-4T

4. 4*DVB-T carrier output and 4 IP (MPTS) output over UDP and RTP protocol (Biss descrambling optional).

5. Integrated demodulating and multiplexing functions

6. Support accurate PCR adjusting

7. Support PID Remapping

8. Support PSI/SI rebuilding and editing

9. Web-based NMS management

Specification:

Input	12 DVB-S/S2 FTA Tuner 128 IP(SPTS/MPTS) input over UDP and RTP, RJ45, 1000M/100M Unicast/Multicast	
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, 8/9, 9/10
		Constellation	QPSK, 8PSK

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		Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
		Constellation	QPSK, 8PSK
Multiplexing:	Maximum PID Remapping	256 per input channel	
	Function	PID Remapping	
		Accurate PCR adjusting	
		Generate PSI/SI table automatically	
Modulation:	**DVB-T**	Standard	EN300744
		FFT mode	2K,
		Bandwidth	6M, 7M, 8M
		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/4, 1/8, 1/16, 1/32
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥42 dB
		RF frequency	50~960MHz, 1KHz step
		RF out	4*RF COFDM DVB-T out (4 carriers combined output)
		RF output level	-28~ -3 dBm (77~97 dbμV), 0.1db step
Constellation:	16/32/64/128/ 256 QAM	64/ 256 QAM	
Bandwidth:	8M	6M	
System:	Remote management	Web NMS	
	Stream Out	4*MPTS over UDP and RTP out (RJ45, 1000M/100M Unicast/Multicast)	
	Language	English and Chinese	
	Software Upgrading	Web and USB	
General:	Dimension (W*D*H)	482mm×300mm×44.5mm	
	Weight	3.7kg	
	Temperature	0~45°C(Operation) ; -20~80°C(Storage)	
	Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ	
	Consumption	25W	