



DigiSAT DSTM-16

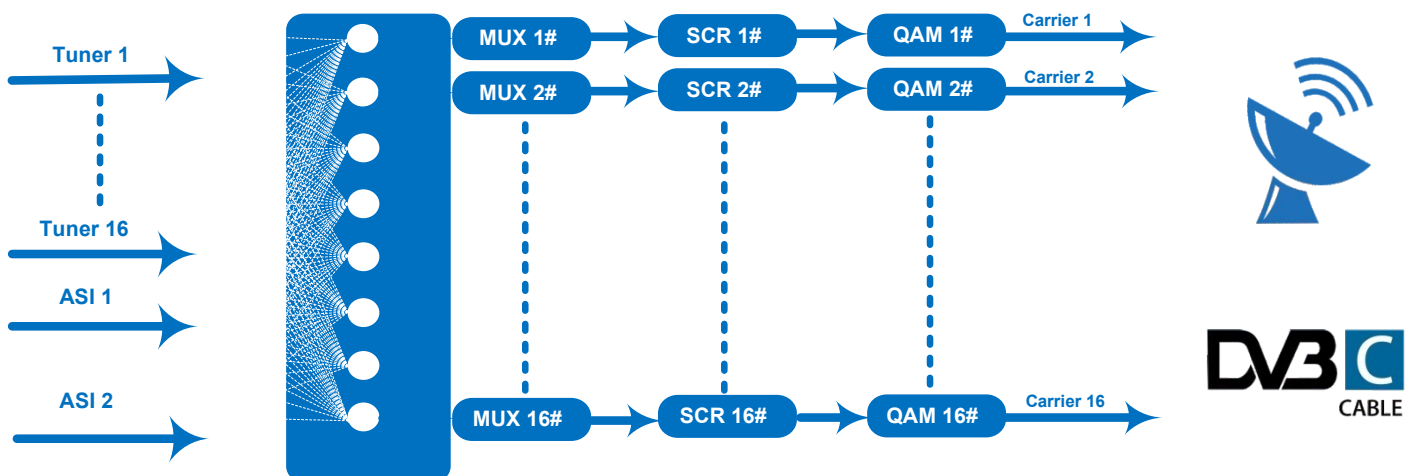


TECHNICAL /FEATURES

Key Features:

- 16 DVB-C S2 FTA Tuner + 2 ASI input
- 16*DVB-C RF output
- 1 IP (MPTS) output over UDP and RTP/RTSP, as mirror of one carrier
- Support 16 groups multiplexing+16 scrambling +16 QAM modulating
- Excellent RF output performance index, MER \geq 40db
- Support accurate PCR adjusting
- Support PSI/SI editing and inserting
- Support Web management, Updates via web
- Redundancy Power Supply (optional)

Working Principle:



Specifications

Input	16 DVB-C (DVB-T/(T))/-S/-S2/-S2X, ATSC, ISDB-T Optional) FTA Tuner				
	512 IP input through GE1 over UDP and RTP protocol				
	2 ASI input, BNC interface				
Tuner Section	Multi-mode tuners switchable (New)	DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C	
			Frequency In	60~890MHz	
			Constellation	16/32/64/128/256 QAM	
		DVB-T/(T)	Frequency In	60~890MHz	
			Bandwidth	6/7/8 M bandwidth	
	Version 1	DVB-S/S2	ISDB-T	Frequency In	60~890MHz
			Frequency In	950~2150MHz	
			Symbol rate	QPSK 1~45Mbauds 8PSK 1~45Mbauds	
		Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10		
		Constellation	QPSK, 8PSK		
Version 2 (New)	DVB-S	Frequency In	950~2150MHz		
		Symbol rate	0.5~45Mpsps		
		Signal Strength	- 65~-25dBm		
		FEC	1/2, 2/3, 3/4, 5/6, 7/8		
		Constellation	QPSK		
		Max input bitrate	≤129 Mbps		
	DVB-S2	Frequency In	950~2150MHz		
		Symbol rate	QPSK/8PSK /16APSK: 0.5~45 Msps 32APSK: 0.5~40Msps;		
		FEC	QPSK: 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		
		Constellation	QPSK, 8PSK, 16APSK, 32APSK		
		Max input bitrate	≤129 Mbps		
		DVB-S2X	Frequency In	950~2150MHz	
	Symbol rate		QPSK/8PSK /16APSK: 0.5~45 Msps 8APSK/32APSK: 0.5~40Msps		
	FEC		QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 8APSK: 5/9-L, 26/45-L 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36, 2/3-L, 25/36, 13/18, 7/9, 77/90 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10, 2/3-L, 32/45, 11/15, 7/9		
	Constellation		QPSK, 8PSK, 8APSK, 16APSK, 32APSK		
	Max input bitrate		≤129 Mbps		
	ATSC		Frequency In	30~1000MHz	
			Bandwidth	6M	
			Constellation	8VSB	
Multiplexing	Maximum PID Remapping	360 output per channel			
	Function	PID remapping (automatically or manually) Accurate PCR adjusting Generate PSI/SI table automatically			
	Max simulcrypt CA	4			
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197			
Scrambling Parameters	Connection	Local/remote connection			
	QAM Channel	16 non-adjacent carriers output			
Modulation	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			
		J.83A	J.83B		
	Constellation	16/32/64/128/256QAM		64/256 QAM	
	Bandwidth	8M		6M	
Stream out	16 RF output (F type interface)				
	1 IP (MPTS) output over UDP and RTP/RTSP (GE1 only), as mirror of one carrier				
System	Network management (WEB)				
	Chinese and English language				
	Ethernet software upgrade				
General	Dimension(W*D*H)	482mm×300mm×44.5mm			
	Temperature	0~45 °C (Operation) ; -20~80 °C (Storage)			
	Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ			