

Outline

NDS3394T is a high performance and cost-effective DVB-T modulator designed by Dexin. It supports 24 FTA tuners input, maximum 256 IP input through GE1&GE2 and TS input for re-mux through 1 ASI ports. After BISS descrambling (only for NDS3394T version B), multiplexing and DVB-T modulating, it gives 8 non-adjacent carrier output and 8 IP (MPTS) output as mirror of carriers through GE1.

NDS3394T 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 broadcasting system.

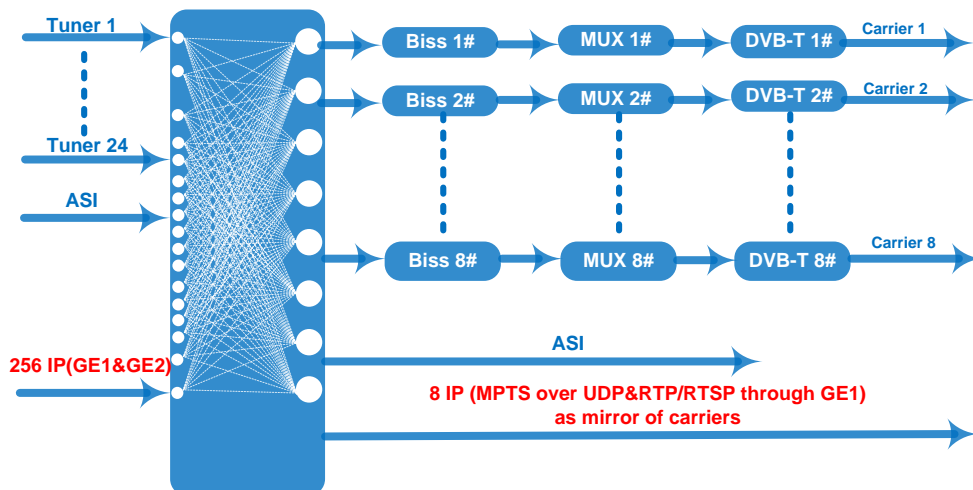
Key Features

- 24 DVB-C (DVB-T/-T2/-S/-S2/-S2X, ATSC, ISDB-T Optional) FTA Tuner + 1 ASI input+256

IP input over UDP and RTP protocol

- 8*DVB-T RF output
- 8 IP (MPTS) output over UDP and RTP/RTSP, as mirror of carriers
- Support 8 groups BISS descrambling (only for NDS3394T version B)+8 groups multiplexing +8 groups DVB-T modulating
- Support accurate PCR adjusting, PSI/SI editing and inserting, A/V PID filtering
- Support Web management, Updates via web
- Redundancy Power Supply (optional)

Working Principle



Specifications

Input	24 DVB-C (DVB-T/T2/-S/S2/S2X, ATSC, ISDB-T optional) FTA Tuner (DVB-S2X is only for NDS3394T version B)			
	256 IP (GE1&GE2) input over UDP and RTP protocol			
	1 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/T2	Frequency In	60~890MHz
			Bandwidth	6/7/8 M bandwidth
		ISDB-T	Frequency In	60~890MHz



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Satellite	DVB-S	Frequency In	950~2150MHz
		Symbol rate	0.5~45Msps
		Signal Strength	- 65~-25dBm
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		Constellation	QPSK
		Max input bitrate	≤120 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	≤120 Mbps
		Frequency In	950-2150MHz
	DVB-S2X	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	≤120 Mbps
		Frequency In	30~1000MHz
		ATSC	Bandwidth
	Constellation		8VSB
	BISS Descrambling	Mode 1, Mode E (descramble individual program) (only for NDS3394T version B)	
Multiplexing	Maximum PID Remapping	256 output per channel	
	Function	PID remapping (automatically or manually)	
		A/V PID filtering (not for NDS3394T version B)	
		Accurate PCR adjusting	
	Generate PSI/SI table automatically		

Modulation	Standard	EN300 744
	FFT	2K 4K 8K
	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 out	8 non-adjacent carrier output
	RF frequency	50~960MHz
	RF output level	-20~+10dBm, 0.1dB step
Stream out	8 DVB-T RF output (F type interface)	
	8 IP (MPTS) output over UDP and RTP/RTSP (GE1 only), as mirror of carriers	
	2 ASI output, one as mirror	
System	Network management (WEB)	
	Chinese and English language	
	Ethernet software upgrade	
General	Dimension(W*D*H)	482mm×300mm×44.5mm
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)
	Power	AC 100V±10%/60Hz; AC 220V±10%, 50/60HZ