DESING

NDS3394T-24   24 in 1 Tuner to DVB-T modulator

Outline

NDS3394T is a high performance and cost-effective DVB-T modulator designed by Dexin. It supports 24 or 16 FTA tuners input, maximum 256 IP input through GE1&GE2 and TS input for re-mux through 1 ASI ports. After 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 (or 16) FTA DVB-S/-S2/-S2X Tuner input + 1 ASI input + 256 IP input over UDP and RTP protocol, and TS files input and playing via the USB disk (FAT 32)
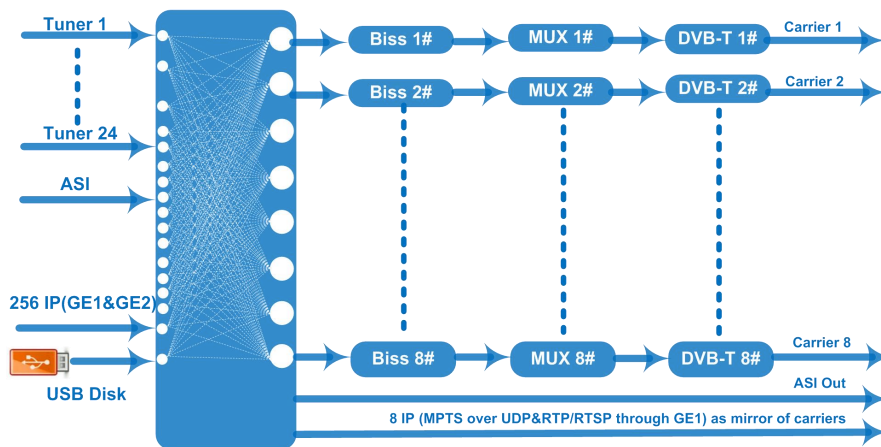- 8*DVB-T RF output

- **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 or 16 FTA DVB-S/-S2/-S2X Tuner input			
	256 IP (GE1&GE2) input over UDP and RTP protocol			
	1 ASI input, BNC interface			
	TS files input and playing via the USB disk (FAT 32)			
	Tuners	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
	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	≤120 Mbps

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×230mm×44mm
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)
	Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ