



NDS3394T V3

24 or 16 in 1 Tuner to DVB-T modulator



Outline

NDS3394T V3 is a high performance and cost-effective DVB-T modulator designed by Dexin. It supports 24 or 16 FTA tuners input, maximum 128 IP inputs through DATA1 and 2 TS inputs for re-mux through 2 ASI input ports. After demodulating, multiplexing and DVB-T modulating, it outputs 8 non-adjacent carriers and 8 IP (MPTS) as mirror of carriers through DATA2.

NDS3394T is also characterized with high integrated level, high performance and low cost. This is very adaptable to a new generation broadcasting system.

Key Features

- **24 (or 16) FTA DVB-S/S2/S2X or DVB-C/T/T2/ISDB-T Multi-Mode switchable tuner inputs with loop out + 2 ASI inputs+128 IP inputs thru DATA 1 over UDP and RTP protocol, and TS files input by playing ts via an USB disk (FAT 32, USB 2.0)**
- **8 DVB-T non-adjacent carriers output, within 192MHz bandwidth**
- **8 IP (MPTS) outputs over UDP and RTP/RTSP thru DATA 2, as mirror of the carriers**
- **2 TS outputs thru ASI out 1 and ASI out 2, as mirror of the 2 chosen carriers**



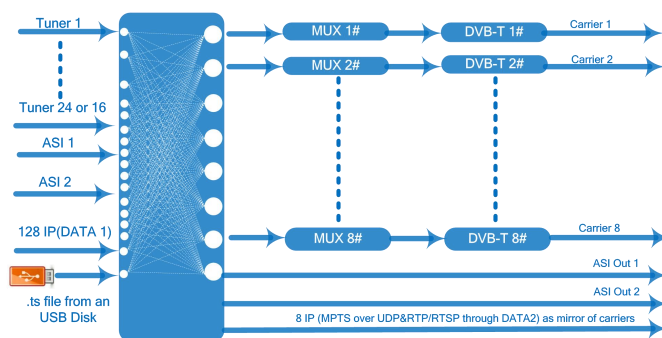
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- Support 8 groups multiplexing+8 groups DVB-T modulating
- Excellent RF output performance index, MER≥40db
- Support accurate PCR adjusting
- Support PSI/SI editing and inserting
- Support Web management, Updates via web
- Reboot in Web after firmware upgrading

Working Principle



Specifications

Input	24 or 16 FTA DVB-S/-S2/-S2X or DVB-C/T/T2/ISDB-T Multi-Mode switchable tuner inputs			
	128 IP inputs over UDP and RTP protocol			
	2 ASI inputs, BNC interface			
	TS files input by playing ts via the USB disk (FAT 32, USB 2.0)			
	Tuner Option 1	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
Tuner Option 1	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	
	Tuner Option 2	DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C
			Frequency In	50~960MHz
			Constellation	16/32/64/128/256 QAM
		DVB-T/T2	Frequency In	50~960MHz
			Bandwidth	6/7/8 M bandwidth
ISDB-T	Frequency In	50~960MHz		
Multiplexing	Maximum PID Remapping	256 output per channel		
	Function	PID remapping (automatically or manually)/CA Filter		
		A/V PID filtering		
		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	≥40 dB		
	RF out	8 non-adjacent carrier output within 192MHz bandwidth		
	RF frequency	50~960MHz		
	RF output level	-20~+3dBm, 0.1dB step		
Stream out	8 DVB-T carriers output (F type interface)			
	8 IP (MPTS) output over UDP and RTP/RTSP (DATA2, as mirror of carriers)			
	2 ASI outputs (2 TS as mirror)			
System	Network management (WEB)			
	Chinese and English language			
	Ethernet software upgrade			
General	Dimension(W*D*H)	482mm×270mm×44mm		
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)		

Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ
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Major Technical Comparison

NDS3394T	v1	v2	v3
LCD/KEY Feature	NO	NO	Yes
ASI inputs	2	1	2
ASI outputs	NO	2 for one TS	2 for two TS
Tuner inputs	16	16 or 24	16 or 24 (FTA DVB-S/S2/S2X or DVB-C/T/T2/ISDB-T Multi-Mode switchable tuner inputs with loop out)
RF loop out	Yes	No	Yes
IP outputs	1 MPTS output	8 MPTS output	8 MPTS output
USB	N/A	Playing TS	Playing TS
DATA Ports	IP inputs/outputs via GE1	IP inputs via DATA 1 IP outputs via DATA 2	IP inputs via DATA 1 IP outputs via DATA2
Reboot in Web after firmware upgrading	N/A	N/A	Yes

The other differences are existing in Web GUI design and chassis design etc, no further description here.