NDS3308T

8in1/16in1/20in1/24in1/28in1/32in1 DVB-T Modulator

V I

V II

Product Overview

NDS3308T 8in1/16in1/24in1/28in1/32in1 DVB-T modulator is an all-in-one device developed by DEXIN. It supports maximum 256 (or 1024) IP input through the GE/SFP port and has 8 (or 16/20/24/28/32) multiplexing channels and 8 (or 16/20/24/28/32) DVB-T modulating channels of non-adjacent carriers (50MHz~960MHz). The device is characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation DTV broadcasting system.

Key Features

- **3 GE ports for IP input and output --Version I**

  6 GE ports (4*RJ45, 2*SFP), data1-4 for IP input (RJ45/SFP), data 3-4 for IP output --Version II

- **Max 840Mbps for each input**

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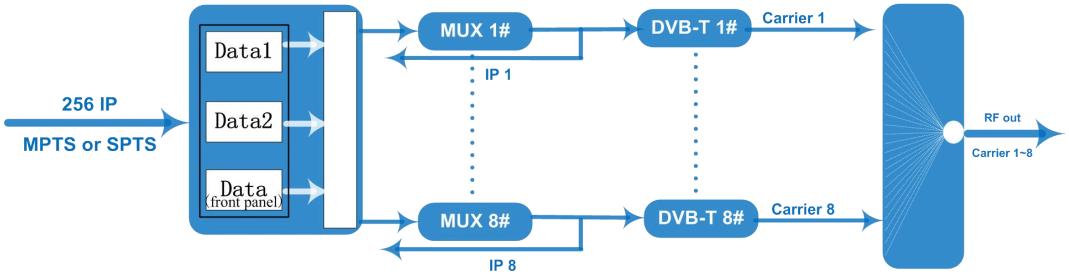
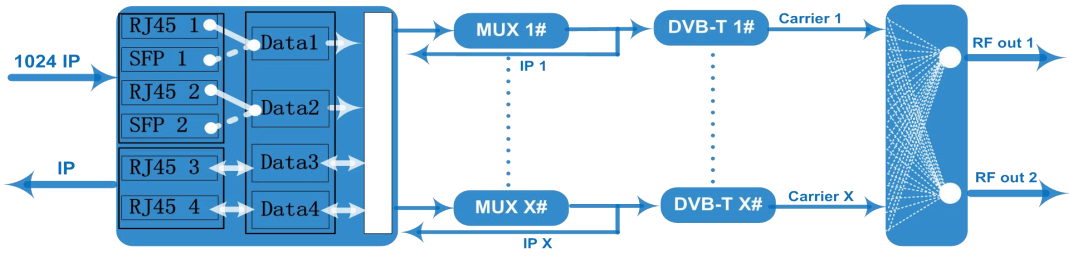
- Support accurate PCR adjusting
- Support PID remapping and PSI/SI editing
- Support up to 256 PIDs remapping per channel
- Support 8 (or 16/20/24/28/32) multiplexed TS over UDP/RTP/RTSP output
- Support 8 (or 16/20/24/28/32) DVB-T non-adjacent carriers output, compliant to ETSI EN300 744 standard
- Supports RS (204,188) encoding
- Support Web-based Network management

Inner Principle Chart

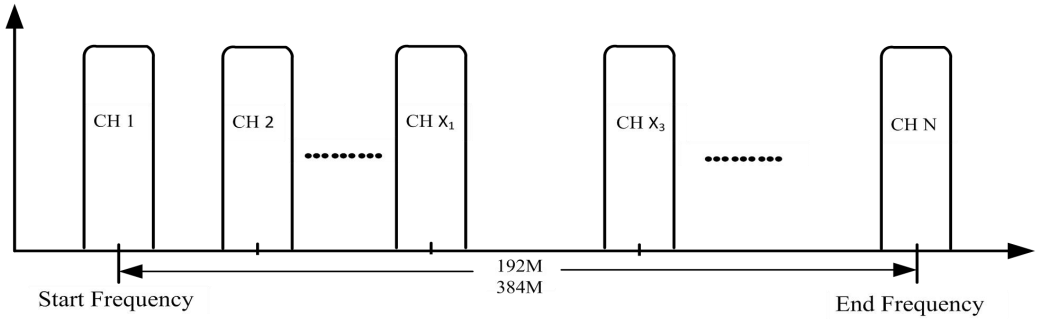
(Version I - For 8 carriers out):



(Version II - For 16/20/24/28/32 carriers out):



Carrier Setting Illustration:



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Specifications

Input	Input	Max 256 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). - **For Version I** Max 1024 IP input through data ports 1 to 4 100/1000M Ethernet Ports (RJ45 and SFP interface alternative). –**For Version II**
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each input channel
Mux	Input Channel	256 IP streams - Version I 1024 IP streams - Version II
	Output Channel	8 (or 16/20/24/28/32)
	Max PIDs	256 per channel
	Functions	PID remapping(auto/manually optional)
		PCR accurate adjusting
		PSI/SI table automatically generating
Modulation Parameters	Output Channel	8 non-adjacent carriers output - Version I 16/20/24/28/32 non-adjacent carriers output - Version II
	Modulation Standard	ETSI EN300 744
	Constellation	QPSK/16QAM/64QAM
	Bandwidth	6/7/8 MHz
	Trans mode	2K/4K/8K
	FEC	1/2, 2/3, 3/4, 5/6, 7/8
RF Output	Interface	1 F type port, 75Ω impedance - Version I 2 F type ports (contents mirrored out, fixed frequency offset), 75Ω impedance - Version II
	RF Range	50~960MHz, 1kHz stepping
	Output Level	-20~+10dbm (for all carriers), 0.5db stepping
	MER	≥ 40dB
	ACL	-55 dBc
TS output	8 (or 16/20/24/28/32) IP output over UDP/RTP/RTSP, unicast/multicast, 2 100/1000M Ethernet Ports	
System	Web-based Network management	
General	Dimension	420mm×440mm×44.5mm (WxLxH)
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

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Order Guide:

	Version I	Version II				
		16ch model	20ch model	24ch model	28ch model	32ch model
256 IP input, 8ch DVB-T carriers out, 8 IP out	x					
1024 IP input, 16ch DVB-T carriers out, 16 IP out		x				
1024 IP input, 20ch DVB-T carriers out, 20 IP out			x			
1024 IP input, 24ch DVB-T carriers out, 24 IP out				x		
1024 IP input, 28ch DVB-T carriers out, 28 IP out					x	
1024 IP input, 32ch DVB-T carriers out, 32 IP out						x

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