



NDS3308T

8in1 / 16in1 / 24in1 DVB-T Modulator



V I / V II

V III

Product Overview

NDS3308T 8in1/16in1/24in1 DVB-T modulator is an all-in-one device developed by DEXIN. It supports maximum 256 (or 512, or 768) IP input through the GE/SFP port and has 8 (or 16, or 24) multiplexing channels and 8 (or 16, or 24) 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 & II

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

--Version III



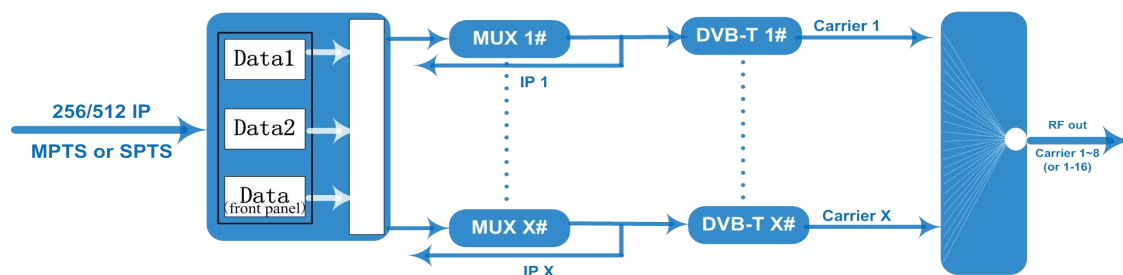
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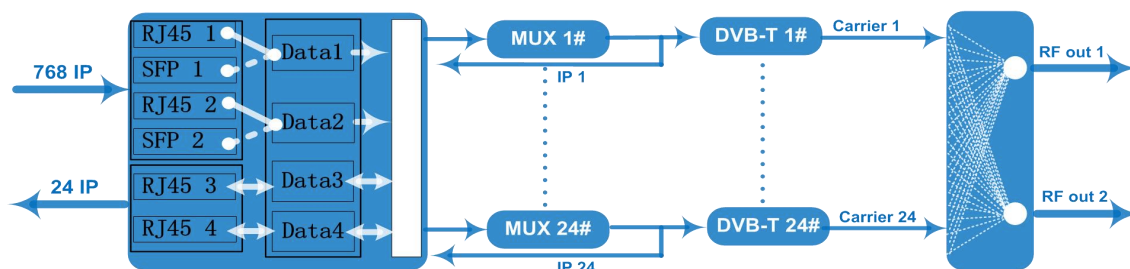
- Max 840Mbps for each input
- Supports accurate PCR adjusting
- Supports PID remapping and PSI/SI editing
- Supports up to 180 PIDs remapping per channel
- Support 8 (or 16, or 24) multiplexed TS over UDP/RTP/RTSP output
- 8 (or 16, or 24) DVB-T non-adjacent carriers output, compliant to ETSI EN300 744 standard
- Supports RS (204,188) encoding
- Support Web-based Network management

Inner Principle Chart

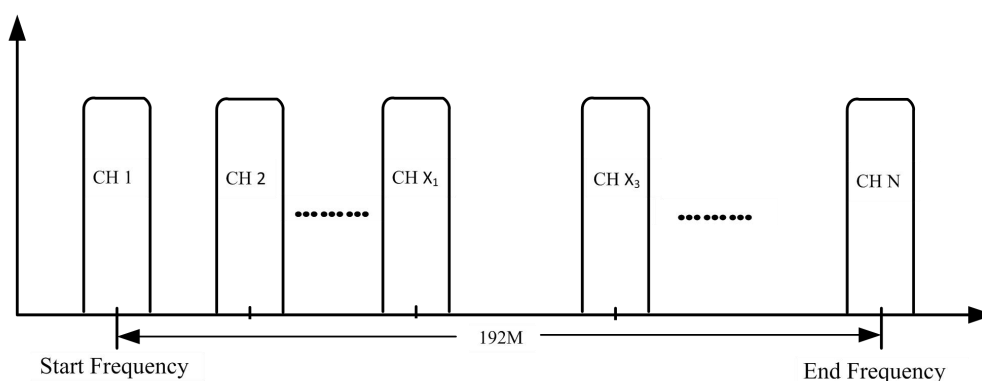
(Version I & II - For 8&16 carriers out):



(Version III - For 24 carriers out):



Carrier Setting Illustration:



Specifications

Input	Input	Max 256/512 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). - For Version I & II Max 768 IP input through data ports 1 to 4 100/1000M Ethernet Ports (RJ45 and SFP interface alternative). – For Version III
	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 512 IP streams - Version II 640 IP streams - Version III
	Output Channel	8 (or 16, or 24)
	Max PIDs	180 per channel
	Functions	PID remapping(auto/manually optional)
		PCR accurate adjusting
Modulation Parameters	Output Channel	8 non-adjacent carriers output - Version I 16 non-adjacent carriers output - Version II 24 non-adjacent carriers output - Version III
		ETSI EN300 744
		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 & II 2 F type port, 75Ω impedance - Version III
	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, or 24) IP output over UDP/RTP/RTSP, unicast/multicast, 2 100/1000M Ethernet Ports	
System	Web-based Network management	
General	Demission	420mm×440mm×44.5mm (W×L×H)
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

Order Guide:

	Version I	Version II	Version III
256 IP input to 8ch DVB-T carriers out, 8 IP out	x		
512 IP input to 16ch DVB-T carriers out, 16 IP out		x	
768 IP input to 24ch DVB-T carriers out, 24 IP out			x



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