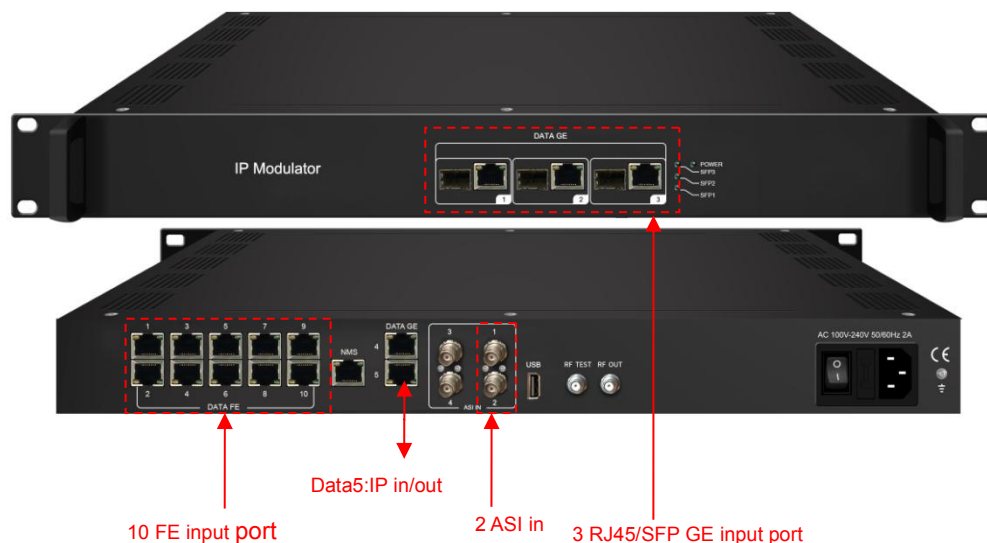


**NDS3344M****28 in 1 ISDB-T & 32 in 1 DVB-T & 48 in 1 DVB-C Modulator**

- ▶ **ISDB-T/DVB-T /DVB-C RF in one device, Modulation dynamic switching**
- ▶ **3 GE/SFP+2 GE+10 FE date ports**
- ▶ **license upgratable for carrier number**



Product Overview

NDS3344M 28 in 1 ISDB-T & 32 in 1 DVB-T & 48 in 1 DVB-C is the latest generational Mux-modulating device developed by DEXIN. It supports maximum 128 IP input through the 3 GE/SFP port and 2 GE ports, 32 IP input through the 10 FE port, and also has 2 ASI input. After 28&32&48 multiplexing, it gives 28 ISDB-T & 32 DVB-T & 48 DVB-C non-adjacent carriers (50MHz~960MHz), 28&32&48 IP (MPTS) output as mirror of carriers. The device is characterized with high integrated level, high performance and low cost. This is very



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Address: No. 10 & No. 12, Wuxing Fourth Road, Wuhou District, Chengdu 610045, Sichuan, PR China
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adaptable to newly generation DTV broadcasting system.

Key Features

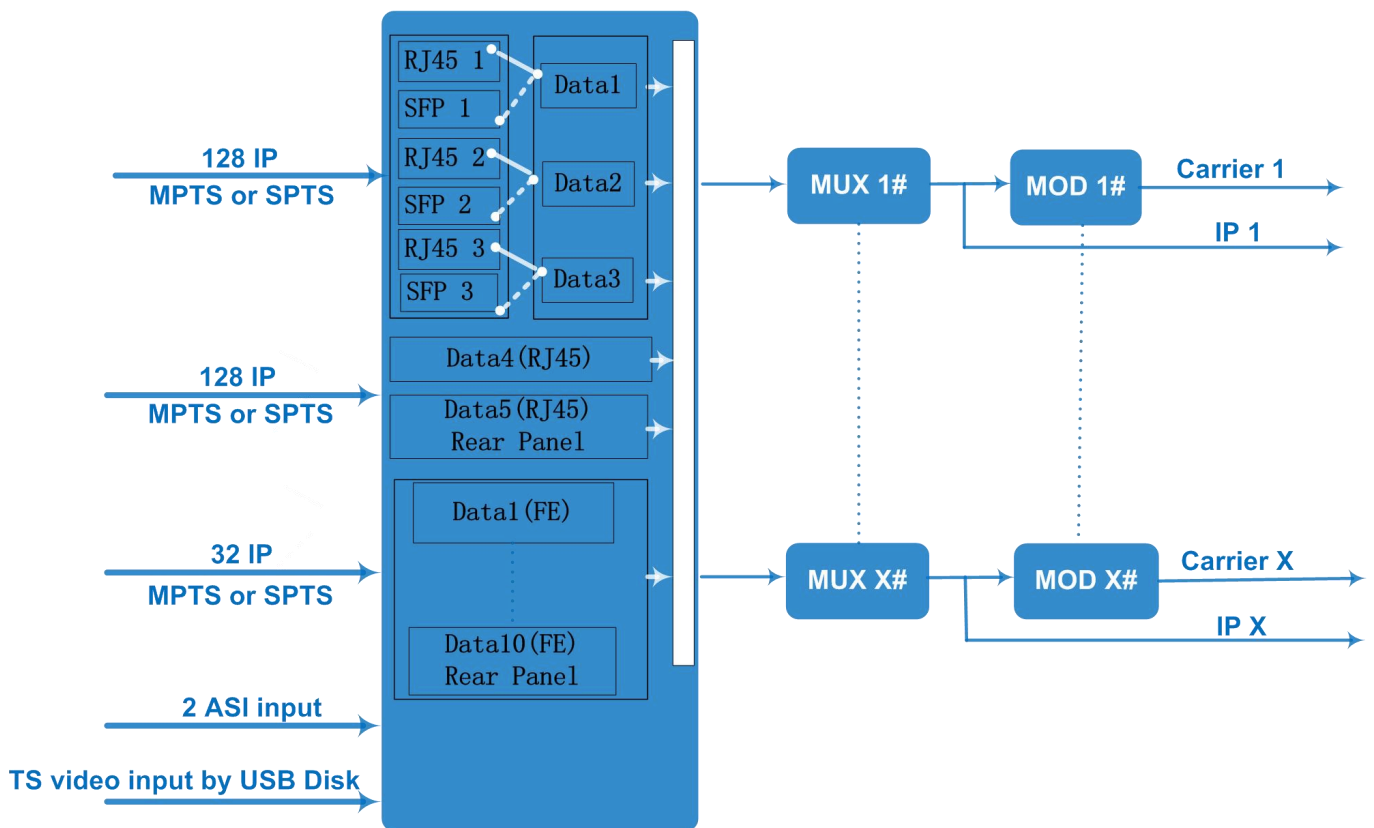
- **3 RJ45 /SFP GE ports (each port max 128 IP in):**
Data1&2&3 ports only for input
- **2GE ports (each port max 128 IP in):**
Data4 is input ports
Data5 is bi-directional ports, 28&32&48 IP out (as mirror of 28 ISDB-T&32 DVB-T &48 DVB-C out version)
- **10 FE ports (each port max 32 IP in):**
Data1-Data10 all for input
- **ISDB-T/DVB-T /DVB-C RF in one device, Modulation dynamic switching(only two modulation options can be chosen in on device)**
- Supports accurate PCR adjusting
- Max 840Mbps for each input
- Supports PID remapping and PSI/SI editing , PIDs remapping per channel
- Supports up to 256
- Supports 2ASI input
- Support 1 USB Player (Insert the USB Flash drive with “xxx.ts” videos in NDS3536S and play back the content in an easy way; file system FAT 32)
- Support 28 &32 &48 multiplexed TS over UDP/RTP output
- 28 ISDB-T /32 DVB-T /48 DVB-C non-adjacent carriers output, compliant to ARIB STD-B31 standard/ ETSI EN300 744 standard/ DVB-C (EN 300 429) and ITU-T J.83 A/B/C
- Support Web-based Network management

Inner Principle Chart

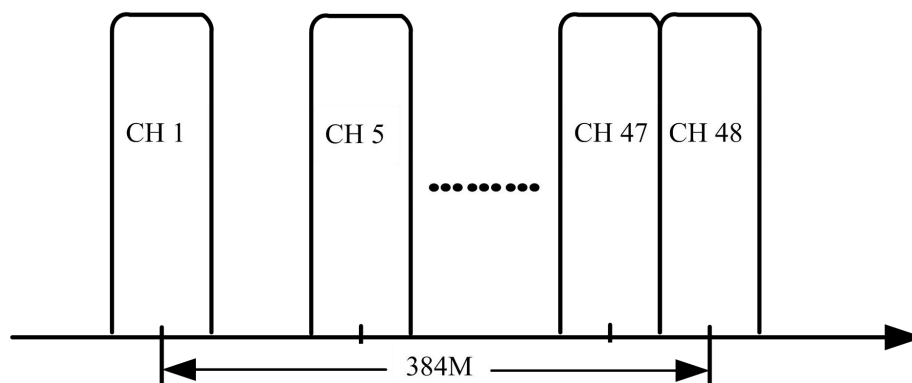


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Carrier Setting Illustration:



Specifications

Input	Input	28 ISDB-T & 32 DVB-T & 48 DVB-C carriers: Max 128 IP input through Date1-Date5, 100/1000M Ethernet Port (Date1-Date3 are SFP interface optional). Each Data port can input max 128 IP. Max 32 IP input through Date1-Date10 (FE port, Rear panel), 100M Ethernet Port, Each Data port can input max 32 IP.
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		2ASI input, BNC interface	
		1 USB Player input for re-mux (“xxx.ts” video)	
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3	
	Transmission Rate	Max 840Mbps for each input channel	
Mux	Input Channel	128(or 32)	
	Output Channel	28(ISDB-T) or 32 (DVB-T)or 48(DVB-C)	
	Max PIDs	256 per channel	
	Functions	PID remapping(auto/manually optional)	
		PCR accurate adjusting	
		PSI/SI table automatically generating	
Modulation Parameters (ISDB-T)	Channel	16/20/24/28(License gradable)	
	Modulation Standard	ARIB STD-B31	
	Constellation	QPSK, 16QAM, 64QAM	
	Bandwidth	6MHz	
	Transmission Mode	2K/4K/8K	
	Code rate	1/2, 2/3, 3/4, 5/6, 7/8	
RF Output (ISDB-T)	Interface	F typed output port for 28 non-adjacent carriers	
	RF Range	50~960MHz, 1kHz stepping	
	Output Level	-20dBm~1dBm(87~108dbμV), 0.1dB stepping	
	MER	≥ 40dB	
	ACL	-50 dBc	
Modulation Parameters (DVB-T)	Channel	16/20/24/28/32(License gradable)	
	Modulation Standard	ETSI EN300 744	
	Constellation	QPSK/16QAM/64QAM	
	Bandwidth	6/7/8 MHz	
	Transmission Mode	2K/4K/8K	
	Code rate	1/2,2/3,3/4,5/6,7/8	
RF Output (DVB-T)	Interface	F typed output port for 32 non-adjacent carriers	
	RF Range	50~960MHz, 1kHz stepping	
	Output Level	-20dBm~0dBm(87~107dbμV), 0.1dB stepping	
	MER	≥ 40dB	
	ACL	-55 dBc	
Modulation Parameters (DVB-C)	Constellation	J.83A	Constellation :16/32/64/128/256QAM
			Bandwidth :8M
		J.83B/C	Constellation :64/256QAM
			Bandwidth :6M

	QAM Channel	32/36/40/44/48(License gradable)
	Symbol Rate	5.0~7.0Msps, 1ksps stepping. 5057Ksps (J.83B, 64QAM) ; 5361Ksps (J.83B, 256QAM)
	Constellation	16, 32, 64 , 128, 256QAM
RF Output (DVB-C)	Interface	F typed output port for 48 non-adjacent carriers
	RF Range	50~960MHz, 1kHz stepping
	Output Level	-20dBm~-3dBm(87~104dbμV), 0.1dB stepping
	MER	≥ 40dB
	ACL	50~960MHz, 1kHz stepping
TS output	28&32&48 IP output over UDP/RTP, unicast/multicast, Data1 100/1000M Ethernet Ports	
System	Web-based Network management	
General	Demission	420mm×440mm×44.5mm (WxLxH)
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC100V±10%, 50/60Hz or AC 220V±10%,50/60Hz

Order Guide

Modulation combination	DVB-C/DVB-T	DVB-C/ISDB-T	DVB-T/ISDB-T
Carrier support (Increase every four carriers)	32~48/16~32	32~48/16~28	16~32/16~28

Modulation	Carrier number(Increase every four carriers by license)				
DVB-C	32	36	40	44	48
DVB-T	16	20	24	28	32
ISDB-T	16	20	24	28	/
Note:	Different combination of carrier number can be selected, Need to be confirmed before an order				