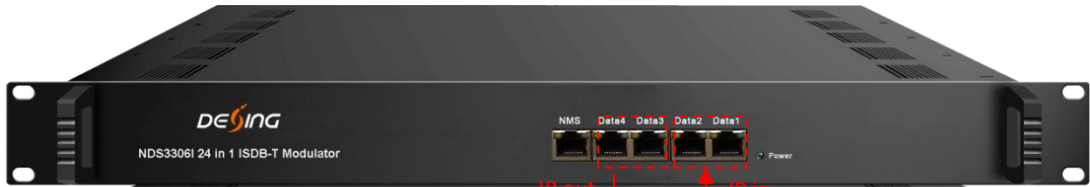


**NDS3306I**

**24in1/48in1 ISDB-T Modulator**



**24ch Model**



**48ch Model**



**48ch Model with 10G and dual Power Supply (optional)**



**Product Overview**

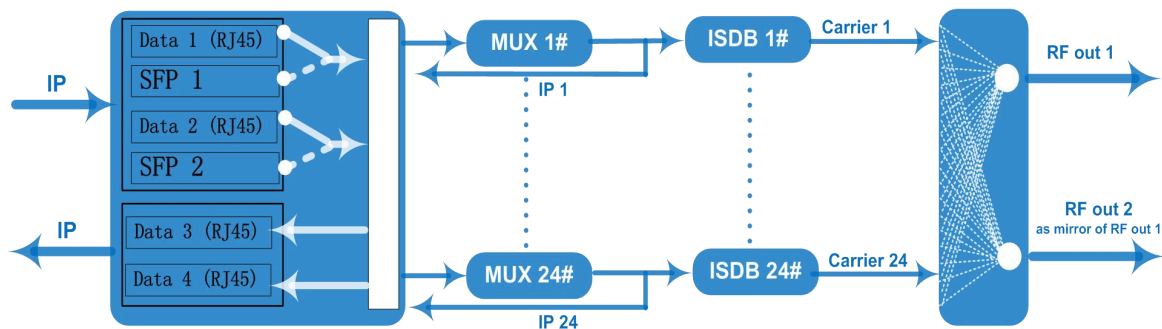
NDS3306I ISDB-T modulator is the latest generational Mux-modulating device developed by DEXIN. It converts IP streams to 24 (or 48) ISDB-T non-adjacent carriers (50MHz~960MHz) output through RF interface. The device is also characterized with high integrated level, high performance and low cost which is adaptable to new generation DTV broadcasting system.



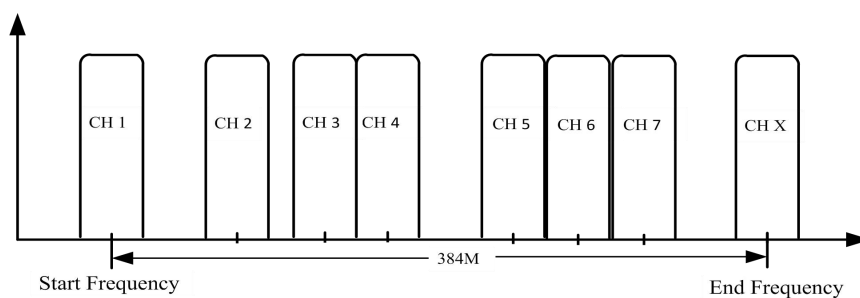
## Key Features

- 6 GE ports (4\*RJ45, 2\*SFP), ports 1-2 for data input (RJ45/SFP), ports 3-4 for data output
- Max 840Mbps for each GE input
- Supports accurate PCR adjusting
- Supports CA filtering, PID remapping and PSI/SI editing
- Supports up to 256 PIDS remapping per channel
- Support 24 IP output through Data ports 3&4 (per daughter card) over UDP/RTP/RTSP
- 24 (or 48) non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)
- Support Web-based Network management

## Inner Principle Chart (24 carriers out per daughter card):



## Carrier Setting Illustration



## Specifications

<b>Input</b>	Input	Max 1024 IP input through data ports 1 & 2, 100/1000M Ethernet Ports per daughter card (RJ45 and SFP interface alternative)
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each GE input

<b>Mux</b>	Input Channel	1024 IP streams
	Output Channel	24 (or 48)
	Max PIDs	256 per channel
	Functions	PID remapping (auto/manually optional)
PCR accurate adjusting		
PSI/SI table automatically generating		
<b>Modulation Parameters</b>	Standard	ARIB STD-B31
	Bandwidth	6M
	Constellation	QPSK, 16QAM, 64QAM
	Guard Interval	1/32, 1/16, 1/8, 1/4
	Transmission Mode	2K, 4K, 8K
	Code rate	1/2, 2/3, 3/4, 5/6, 7/8
	MER	≥40dB
	RF frequency	50~960MHz, 1KHz step
	RF output level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping
	Output Channel	24 (or 48) non-adjacent carriers output
<b>RF Output</b>	Interface	2 F type port mirror out, 75Ω impedance - 24ch model 4 F type port (with 2 ports located in each daughter card), 75Ω impedance - 48ch model
	ACLR	-50 dBc
<b>IP output</b>	24 (or 48) IP output over UDP/RTP/RTSP through data ports 3&4, unicast/multicast, 100/1000M Ethernet Ports	
<b>System</b>	Web-based NMS management	
<b>General</b>	Demission	480mm×327mm×44.5mm (WxLxH)
	Weight	5.5kg
	Temperature	0~45°C(operation), -20~80°C(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

## Order Guide:

	<b>24ch Model</b>	<b>48ch Model</b>
1024 IP input to 24ch ISDB-T carriers out, 24 IP out (with single card)	x	
1024 x2 IP input to 24ch x2 ISDB-T carriers out, 24 x2 IP out (with <b>two</b> daughter cards)		x
10G Ethernet	As per order	As per order
Dual Power Supply	As per order	As per order