



**NDS3306I**

**6in1 / 16in1 ISDB-T Modulator**



## Product Overview

NDS3306I 6in1/16in1 ISDB-T modulator is the latest generational Mux-modulating device developed by DEXIN. It has 6 (or16) multiplexing channels and ISDB-T modulating channels, and supports maximum 192 (or 512) IP input through the 3 GE ports and 6 (or16) ISDB-T non-adjacent carriers (50MHz~960MHz) output through the RF output interface. The device is also 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 date input and output
- Max 840Mbps for each GE input
- Supports accurate PCR adjusting
- Supports CA filtering, PID remapping and PSI/SI editing



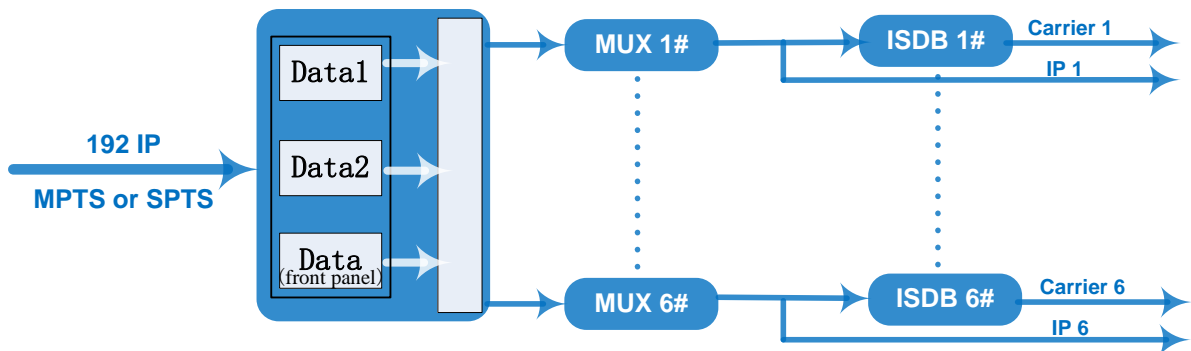
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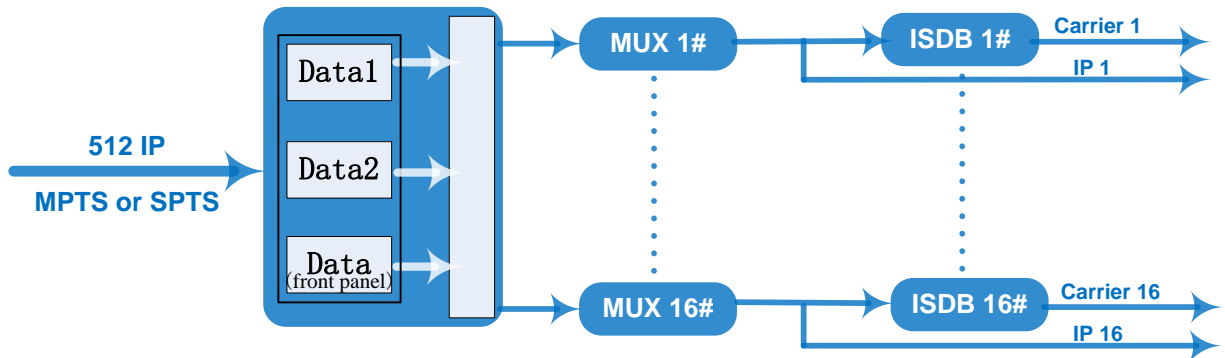
- Supports up to 256 PIDS remapping per channel
- Support 6 IP output through Data1 & Data2 over UDP/RTP/RTSP--Version I  
Support 16 IP output through Data1 & Data2 over UDP/RTP/RTSP--Version II
- 6 (or 16) non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)
- Support Web-based Network management

## Inner Principle Chart

(Version I - For 6 carriers out):

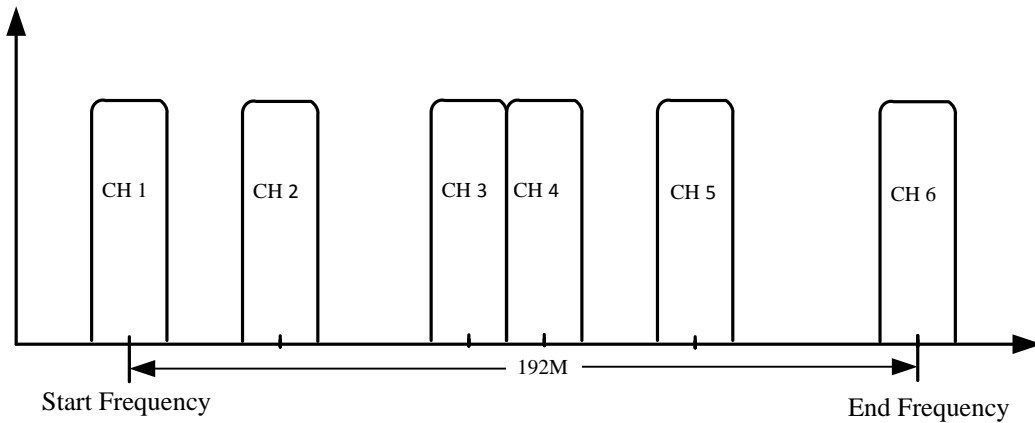


(Version II - For 16 carriers out):

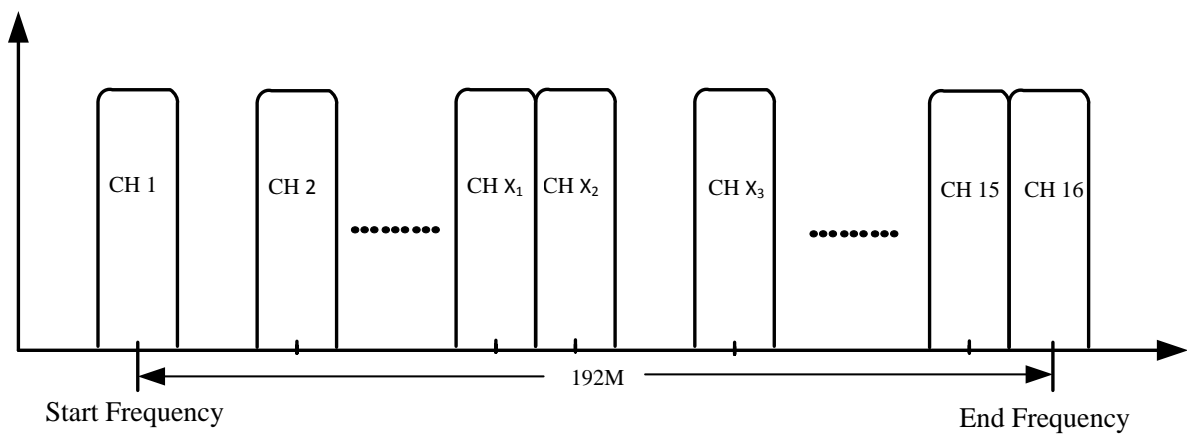


## Carrier Setting Illustration

(Version I - For 6 carriers out):



**(Version II - For 16 carriers out):**



**Specifications**

<b>Input</b>	Input	<p>Max 192 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). Each Data1 or Data 2 port can input max 192 IP, while front-panel Data port can input max 192 IP- <b>For Version I</b></p> <p>Max 512 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). Each Data1 or Data 2 port can input max 512 IP, while front-panel Data port can input max 512 IP- 16 ISDB-T Carriers out version –<b>For Version II</b></p>
	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	192 (for Version I)/512( for Version II)
	Output Channel	6 (or 16)
	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	6 non-adjacent carriers output - Version I 16 non-adjacent carriers output - Version II
<b>RF Output</b>	Interface	1 F typed port, 75Ω impedance
	ACLR	-50 dBc
<b>TS output</b>	6 (or 16) IP output over UDP/RTP/RTSP, unicast/multicast, 2 (Data1& Data2) 100/1000M Ethernet Ports	
<b>System</b>	Network management software (NMS) supporting	
<b>General</b>	Demission	480mm×327mm×44.5mm (WxLxH)
	Weight	5.5kg
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	15.4W

## Order Guide:

	Version I	Version II
192 IP input to 6ch ISDB-T carriers out, 6 IP out	x	
512 IP input to 16ch ISDB-T carriers out, 16 IP out		x



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