



**NDS3306I**

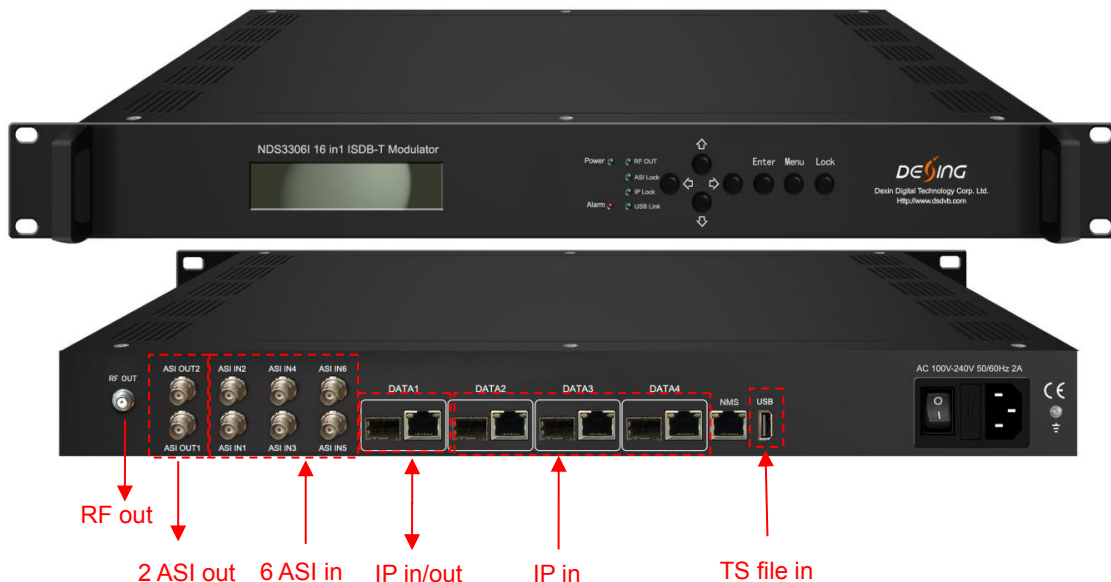
## 8in1/16in1 ISDB-T Modulator

**V 1**



- 3 GE ports for IP input and output
- Support 8 (or 16) multiplexed TS over UDP/RTP/RTSP output
- 8 (or 16) non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)

**V 2**



- GE/SFP port alternative, with Data1 bi-directional for data in/out, and Data2-4 one-way for data in
- Supports 6 ASI input and 2 ASI output as mirror, TS file input through USB disk
- Support 8 (or 16) multiplexed TS over UDP/RTP/RTSP output
- 8 (or 16) ISDB-T non-adjacent carriers output, compliant to ARIB STD-B31 standard



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## Product Overview

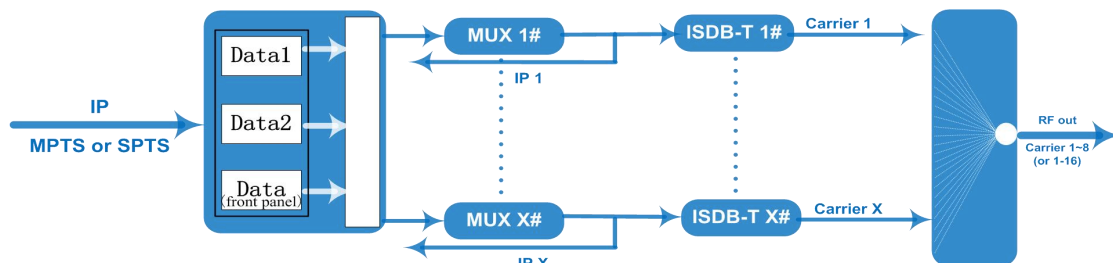
NDS3306I ISDB-T modulator is the latest generational Mux-modulating device developed by DEXIN. It converts IP streams to 8 (or 16) ISDB-T non-adjacent carriers output through the RF interface. The device is also characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation DTV broadcasting system.

## Key Features

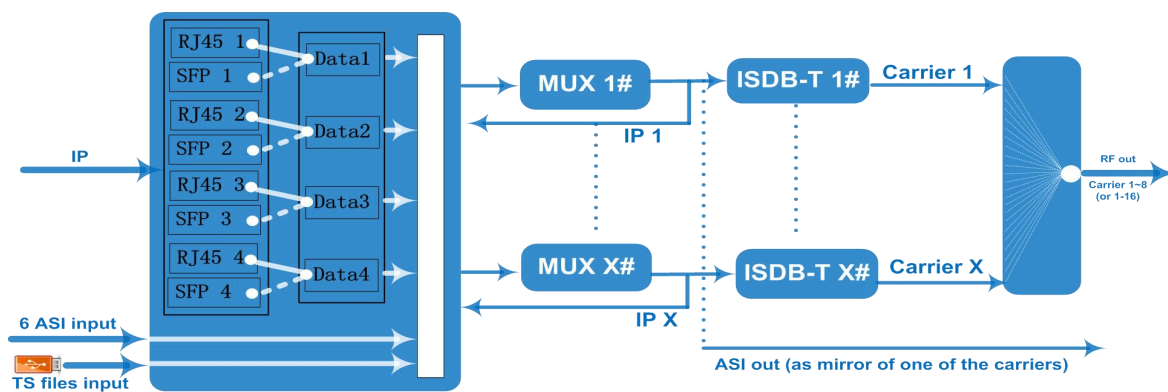
- Max 840Mbps for each GE input
- Supports accurate PCR adjusting
- Supports CA filtering, PID remapping and PSI/SI editing
- Supports up to 256 PIDS remapping per channel
- 8 (or 16) non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)
- Support Web-based Network management

## Inner Principle Chart

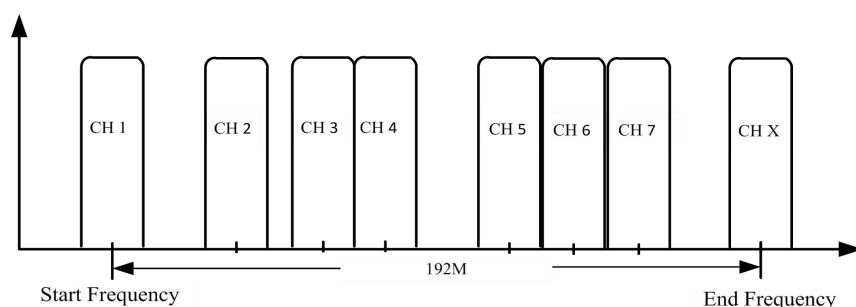
(V 1, 8ch or 16ch out for option):



(V 2, 8ch or 16ch out for option):



## Carrier Setting Illustration



## Specifications

<b>Input</b>	Input	Max 512 (or 1024) IP input through 100/1000M Ethernet Port (SFP interface optional) over UDP/RTP, unicast and multicast, IGMP V2/V3, Max 840Mbps for each GE input
		6 ASI input, BNC interface - for V2 only
		TS file input through USB disk - for V2 only
<b>Mux</b>	Input Channel	512 (or 1024)
	Output Channel	8 (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	8 (or 16) non-adjacent carriers output
<b>RF Output</b>	Interface	1 F type port, 75Ω impedance
	ACLR	-50 dBc
<b>TS output</b>	8 (or 16) IP output over UDP/RTP/RTSP, unicast/multicast	
	100/1000M Ethernet Ports	
<b>System</b>	2 ASI output, one as mirror - for V2 only	
	Web-based NMS management; LCD+Keyboard management - for V2 only	

<b>General</b>	Demission	480mm×327mm×44.5mm (W×L×H)
	Weight	5.5kg
	Temperature	0~45℃(operation), -20~80℃ (storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

## Order Guide:

	V1		V2	
	8ch model	16ch model	8ch model	16ch model
512 IP input to 8ch ISDB-T carriers out, 8 IP out	x		x	
1024 IP input to 16ch ISDB-T carriers out, 16 IP out		x		x
6 ASI input, and TS files input by USB disk			x	x
2 ASI mirror out			x	x
LCD+Keyboard management			x	x