



NDS3306I

IP MUX Modulator



Product Overview

NDS3306I IP Mux modulator is the latest generational Mux-modulating device developed by DEXIN. It has 6 multiplexing channels and 6 (ISDB-Tb) modulating channels, and supports maximum 192 IP input through the GE ports and 6 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

- **2 GE input, Data 1 and Data 2**
- **Supports up to 192 IP input over UDP/RTP, unicast and multicast, IGMP v2\v3**
- **Max 840Mbps for each GE input**
- **Supports accurate PCR adjusting**
- **Supports CA filtering, PID remapping and PSI/SI editing**



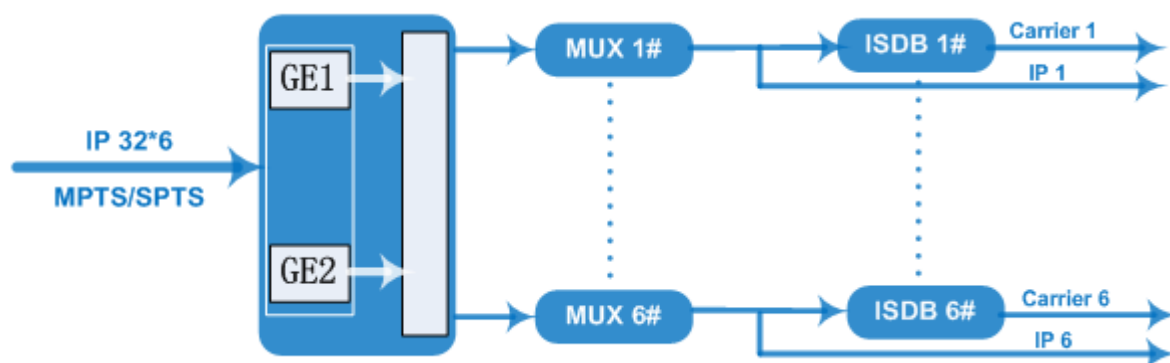
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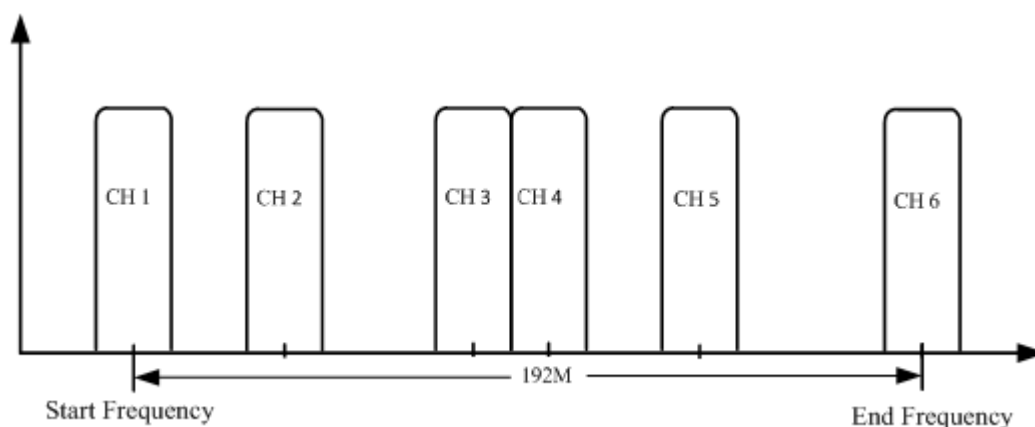
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- Supports up to 180 PIDS remapping per channel
- Support 6 multiplexed TS over UDP/RTP/RTSP output
- 6 non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)
- Support Web-based Network management

Inner Principle Chart



Carrier Setting Illustration



Specifications

Input	Input	32×6 IP input, 1000M Ethernet Port
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each GE input
Mux	Input Channel	192
	Output Channel	6
	Max PIDs	180 per channel
	Functions	PID remapping (auto/manually optional) PCR accurate adjusting

		PSI/SI table automatically generating
Modulation Parameters	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
RF Output	Interface	1 F typed output port for 6 carriers, 75Ω impedance
	ACLR	-50 dBc
TS output	6 IP output over UDP/RTP/RTSP, unicast/multicast, 1000M Ethernet Ports	
System	Network management software (NMS) supporting	
General	Demission	420mm×440mm×44.5mm (W×L×H)
	Weight	3kg
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	15.4W