



NDS3308AT

8 in 1 ATSC Modulator



Product Overview

NDS3308AT 8 in 1 ATSC modulator is DEXIN's newly designed product supporting IP input. It has 8 multiplexing channels and 8 ATSC modulating channels, and supports maximum 256 IP input through the GE port. NDS3308AT has a powerful output capacity with 8 non-adjacent carriers (50MHz~960MHz) output through the RF output interface. The system of this device can be on line controlled and upgraded through network, which can be widely used in ATSC digital broadcasting network setup and the testing for ATSC set top box design.

Key Features

- **3 GE ports (max 256 IP in):**
 - Data1 & Data2 bi-directional ports, max 256 IP in, 8 IP out**
 - Data port (located on front panel), max 128 IP in**

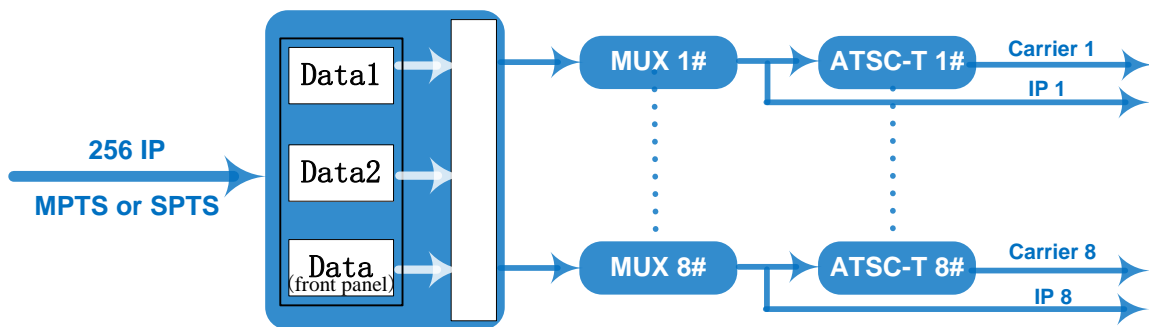


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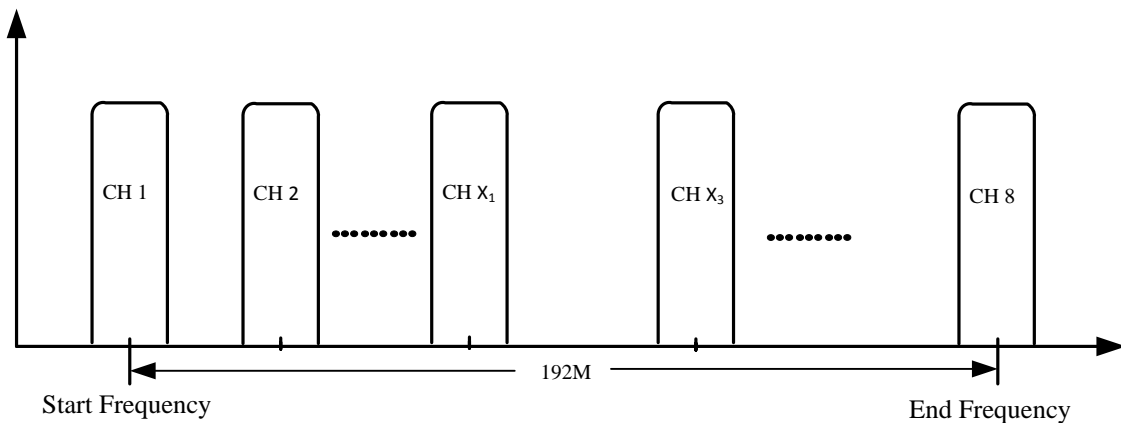
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- Max 840Mbps for each input
- Supports accurate PCR adjusting
- Supports PID remapping and PSI/SI editing
- Supports up to 180 PIDs remapping per channel
- Support 8 multiplexed TS over UDP/RTP/RTSP output
- 8 ATSC non-adjacent carriers output, compliant to ATSC A/53 standard
- Supports RS (208,188) encoding
- Support Web-based Network management

Inner Principle Chart



Carrier Setting Illustration



Specifications

<p>Input</p>	<p>Input</p>	<p>Max 256 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 256 IP, while front-panel Data port can input max 128 IP</p>
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	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each input channel
Mux	Input Channel	256
	Output Channel	8
	Max PIDs	180 per channel
	Functions	PID remapping(auto/manually optional) PCR accurate adjusting PSI/SI table automatically generating
Modulation Parameters	Channel	8
	Modulation Standard	ATSC A/53
	Constellation	8VSB
	Bandwidth	6MHz
	FEC	RS(208 188)+Trellis
RF Output	Interface	F typed output port for 8 non-adjacent carriers
	RF Range	50~960MHz, 1kHz stepping
	Output Level	-20~+10dbm (for all carriers), 0.5db stepping
	MER	≥ 40dB
	ACL	-55 dBc
TS output	8 IP output over UDP/RTP/RTSP, unicast/multicast, 2 100/1000M Ethernet Ports	
System	Web-based Network management	
General	Demission	482mm×455mm×44.5mm (WxLxH)
	Weight	3kg
	Temperature	0~45°C (operation), -20~80°C (storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	≤20W