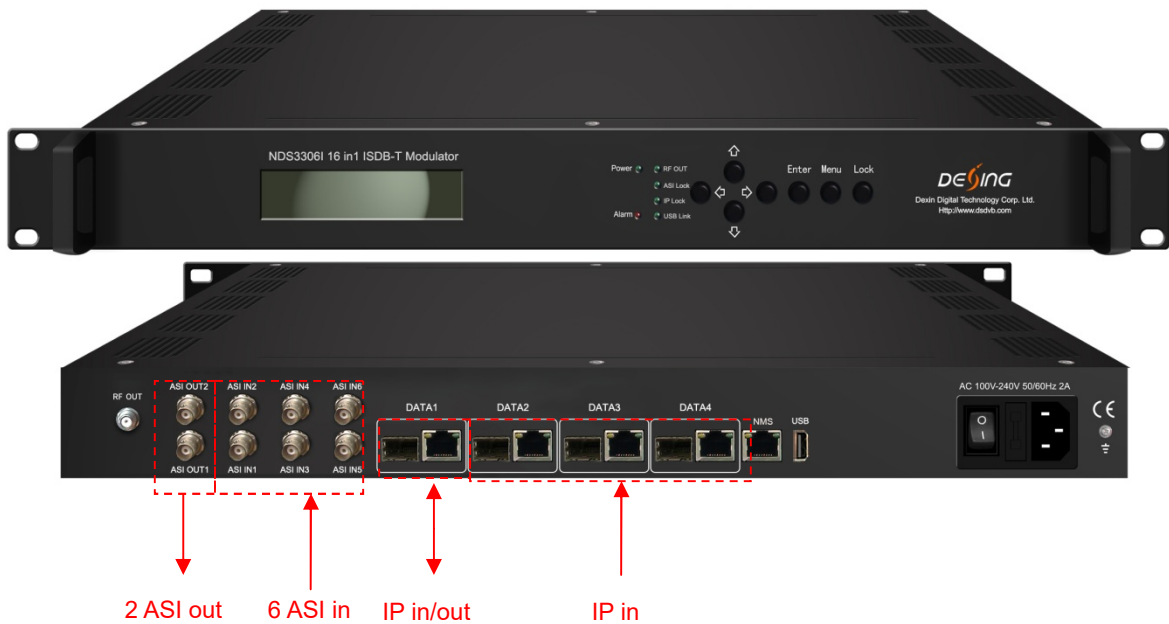




NDS3306I V2

8 in 1/16 in 1 ISDB-T Modulator



Product Overview

NDS3306I (V2) 8in1 (or 16in1) ISDB-T modulator is an all-in-one device developed by DEXIN. It supports maximum 512(or 1024) IP input through the 4 GE/SFP port and also 6 ASI input. After multiplexing 8(or 16) and ISDB-T modulating, it gives 8(or 16) non-adjacent carriers (50MHz~960MHz), 2 ASI output and 8 or 16 IP (MPTS) output as mirror of carriers. The device is characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation DTV broadcasting system.

Key Features

- **4 GE/SFP ports (max 512/1024 IP in):**



All the specifications are subject to change without any further notice. All rights reserved.

Address: No. 10 & No. 12, Wuxing Fourth Road, Wuhou District, Chengdu 610045, Sichuan, PR China
www.dsdvb.com/English Tel: +86-028-85558928 Fax: +86-028-85585255 Email: sunyu@dsvb.com

Data1 is bi-directional port, max 512 IP in, 8 IP out (for 8 ISDB-T out version)

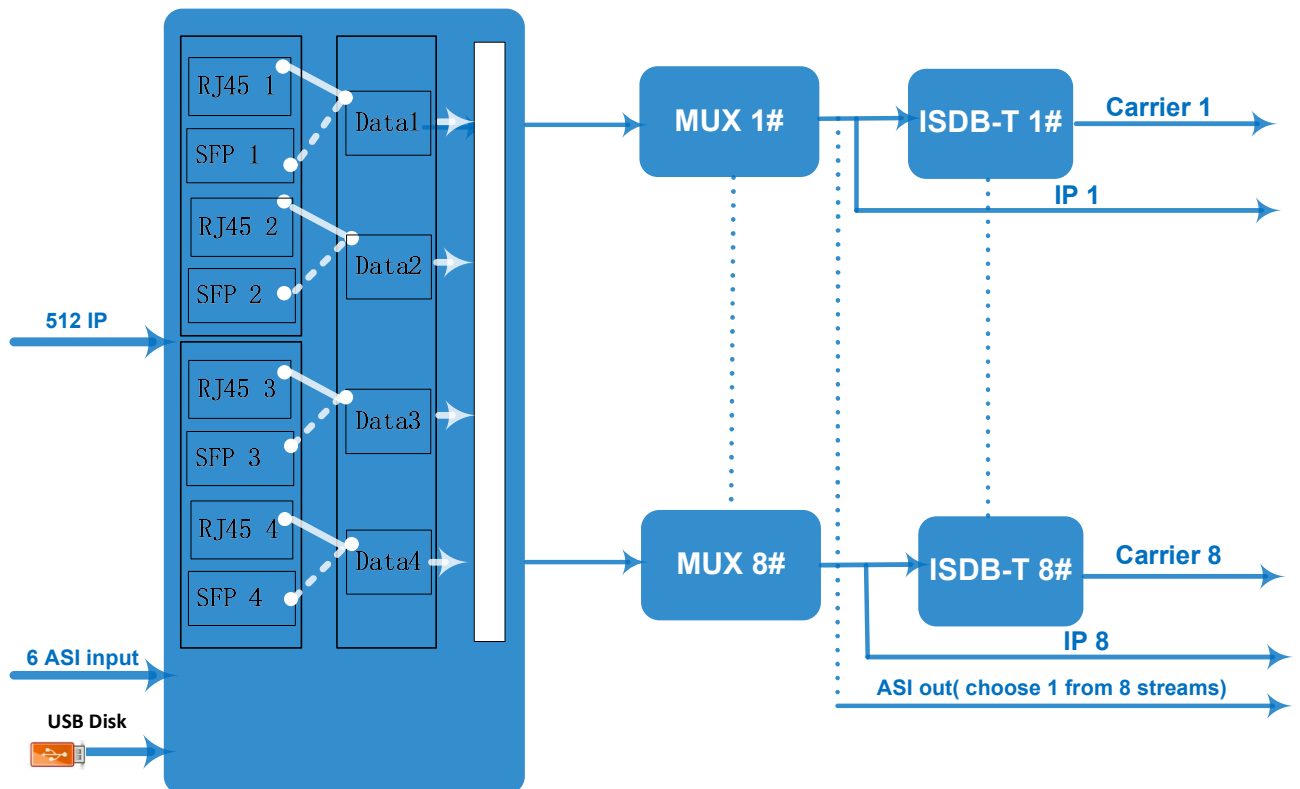
Data1 is bi-directional ports, max 1024 IP in, 16 IP out (for 16 ISDB -T out version)

Data2&3&4 ports only for input

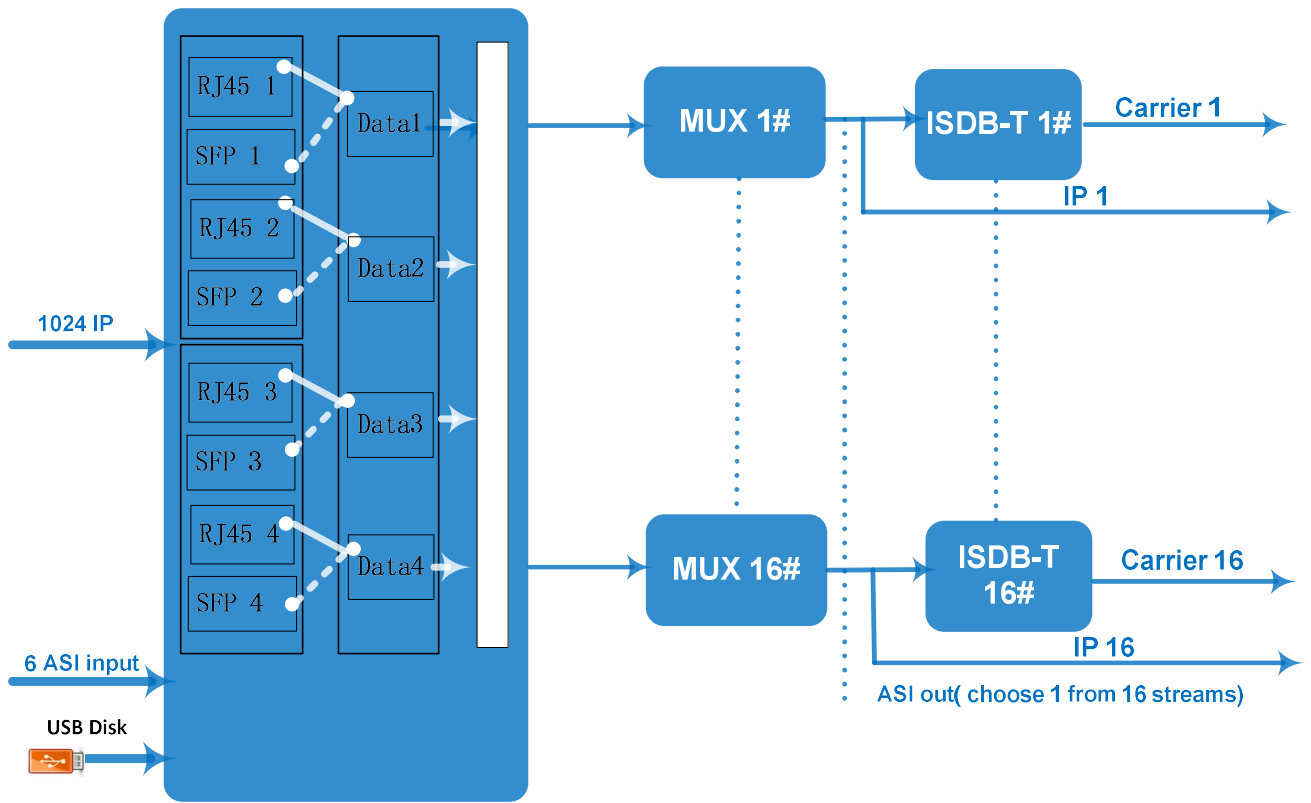
- Supports accurate PCR adjusting
- Max 840Mbps for each input
- Supports PID remapping and PSI/SI editing
- Supports up to 256 PIDs remapping per channel
- Supports 6 ASI input and 2 ASI output
- Support 8 (or 16) multiplexed TS over UDP/RTP/RTSP output
- 8(or 16) ISDB-T non-adjacent carriers output, compliant to ARIB STD-B31 standard
- Supports RS(204,188) encoding
- Support Web-based Network management

Inner Principle Chart

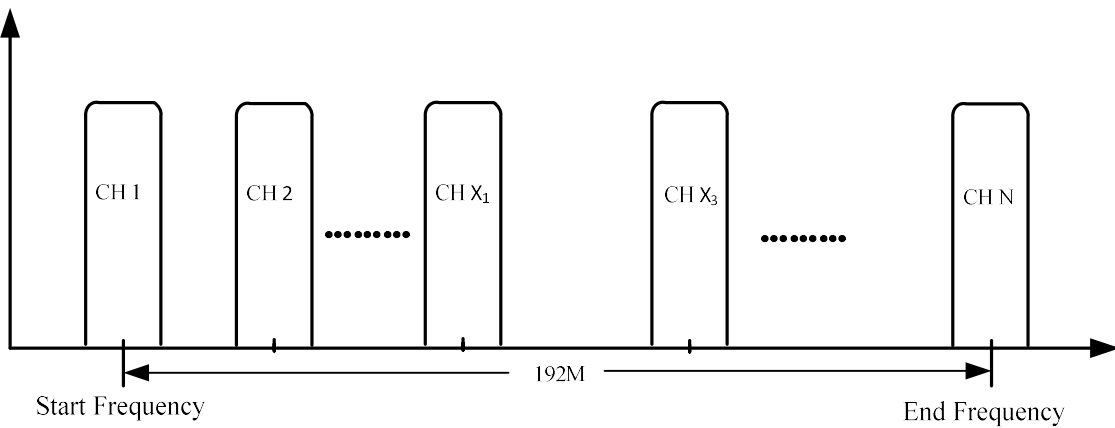
For 8 carriers out:



For 16 carriers out:



Carrier Setting Illustration:



Specifications

Input	Input	8 ISDB-T carriers: Max 512 IP input through Date1-Date4 100/1000M Ethernet Port (or SFP interface optional). Each Data port can input max 512 IP. 16 ISDB-T carriers: Max 1024 IP input through Date1-Date4 100/1000M Ethernet Port (or SFP interface optional). Each Data port can input max 1024 IP.
		6 ASI input, BNC interface
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each input channel
Mux	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
Modulation Parameters	Channel	8(or 16)
	Modulation Standard	ARIB STD-B31
	Constellation	QPSK, 16QAM, 64QAM
	Bandwidth	6MHz
	Transmission Mode	2K/4K/8K
	Code rate	1/2, 2/3, 3/4, 5/6, 7/8
RF Output	Interface	F typed output port for 8(or 16) non-adjacent carriers
	RF Range	50~960MHz, 1kHz stepping
	Output Level	-20dBm~+10dBm(87~117db μ V), 0.1dB stepping
	MER	\geq 40dB
	ACL	-50 dBc
TS output		8 (or 16) IP output over UDP/RTP/RTSP, unicast/multicast, Data1 100/1000M Ethernet Ports
		2 ASI output, one as mirror
System		Web-based Network management
General	Demission	420mm \times 440mm \times 44.5mm (W \times L \times H)
	Temperature	0~45 $^{\circ}$ C(operation), -20~80 $^{\circ}$ C(storage)
	Power Supply	AC100V \pm 10%, 50/60Hz or AC 220V \pm 10%,50/60Hz