SOFTEL

SFT3306I

8in1 / 16in1 / 20in1 ISDB-T Modulator

Product Overview

SFT3306I 8in1/16in1/20in1 ISDB-T modulator is the latest generational Mux-modulating device developed by SOFTEL. It converts IP streams to 8 (or16, or 20) ISDB-T non-adjacent carriers (50MHz~960MHz) 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

- **3 GE ports for IP input and output --Version I & II**

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6 GE ports (4*RJ45, 2*SFP), data1-2 for IP input, data 3-4 for IP output --Version III

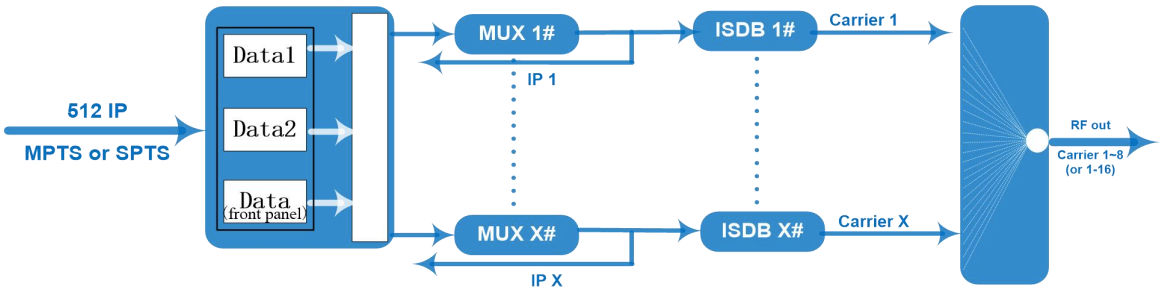
- **Max 840Mbps for each GE input**
- **Supports accurate PCR adjusting**
- **Supports CA filtering, PID remapping and PSI/SI editing**
- **Supports up to 256 PIDS remapping per channel**
- **Support 8 IP output through Data1 & Data2 over UDP/RTP/RTSP--Version I**

  Support 16 IP output through Data1 & Data2 over UDP/RTP/RTSP--Version II

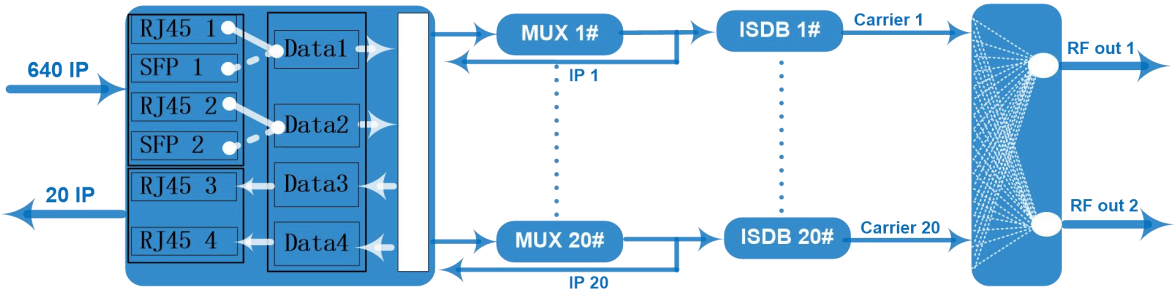
  Support 20 IP output through Data3 & Data4 over UDP/RTP/RTSP--Version III
- **8 (or 16, or 20) non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)**
- **Support Web-based Network management**

Inner Principle Chart

(Version I & II - For 8&16 carriers out):



(Version III - For 20 carriers out):



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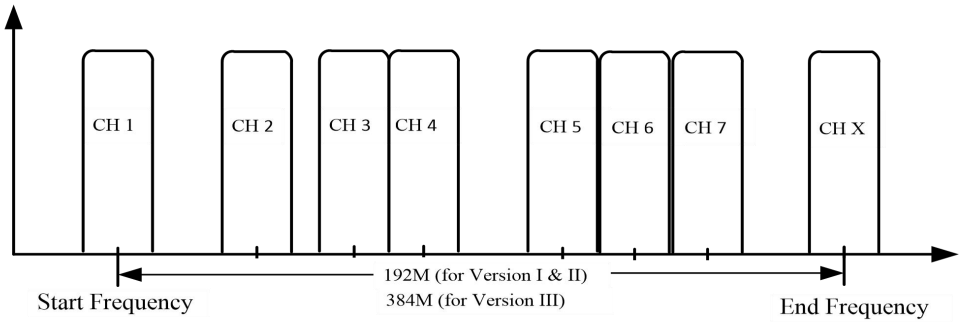
Carrier Setting Illustration



Specifications

Input	Input	Max 512 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). - **For Version I & II** Max 640 IP input through data 1 and 2 100/1000M Ethernet Ports (RJ45 and SFP interface alternative). –**For Version III**
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each GE input
Mux	Input Channel	512 IP streams- Version I & II 640 IP streams- Version III
	Output Channel	8 (or 16, or 20)
	Max PIDs	256 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

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	RF output level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping
	Output Channel	8 non-adjacent carriers output - Version I 16 non-adjacent carriers output - Version II 20 non-adjacent carriers output - Version III
RF Output	Interface	1 F type port, 75Ω impedance - Version I & II 2 F type port, 75Ω impedance - Version III
	ACLR	-50 dBc
IP output	8 (or 16, or 20) IP output over UDP/RTP/RTSP, unicast/multicast, 100/1000M Ethernet Ports	
System	Web-based NMS management	
General	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

Order Guide:

	Version I	Version II	Version III
512 IP input to 8ch ISDB-T carriers out, 8 IP out	x		
512 IP input to 16ch ISDB-T carriers out, 16 IP out		x	
640 IP input to 20ch ISDB-T carriers out, 20 IP out			x

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