

IMM06i

6 in 1 ISDB-T Modulator



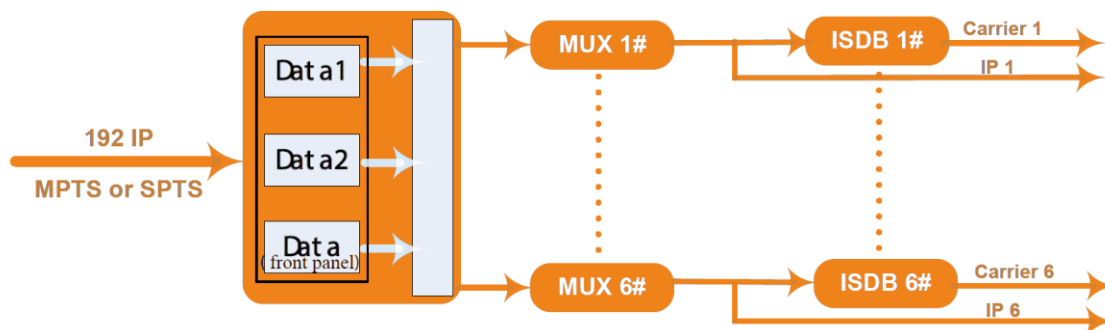
Product Overview

The IMM06i (6 in 1 ISDB-Tb modulator) is the latest generational Mux-modulating device. It has 6 multiplexing channels and 6 (ISDB-Tb) modulating channels, and supports maximum 192 IP input through the 3 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.

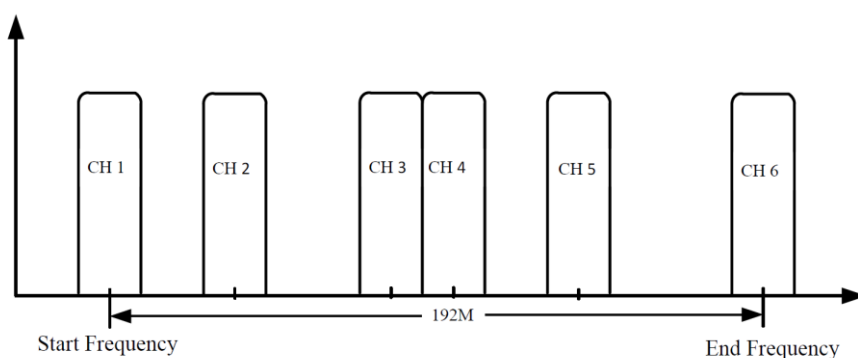
Key Features

- 3 GE ports (max 192 IP in):
Data1 & Data2 bi-directional ports, max 192 IP in, 6 IP out
Data port (located on front panel), max 192 IP in
- Max 840Mbps for each GE input
- Supports accurate PCR adjusting
- Supports CA filtering, PID remapping and PSI/SI editing
- Supports up to 180 PIDS remapping per channel
- 6 IP output through Data1 & Data2 over UDP/RTP/RTSP
- 6 non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)
- Web-based Network management

Inner Principle Chart:



Carrier Setting Illustration



Specifications

Input	Input	Max 192 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). Each Data1, Data 2 and front-panel Data ports can input Max 192 IP.
	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	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
	RF output level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping
RF Output	Interface	1 F type output port for 6 carriers, 75Ω impedance
	ACLR	-50 dBc
TS output	6 IP output over UDP/RTP/RTSP, unicast/multicast, 2 (Data1 & Data2) 100/1000M Ethernet Ports	
System	Network management software (NMS) supporting	
General	Dimensions	420mm×440mm×44.5mm (W×L×H)
	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	15.4W