

## **COL5606J IP to 6xISDB-T Modulator**



### **Outline**

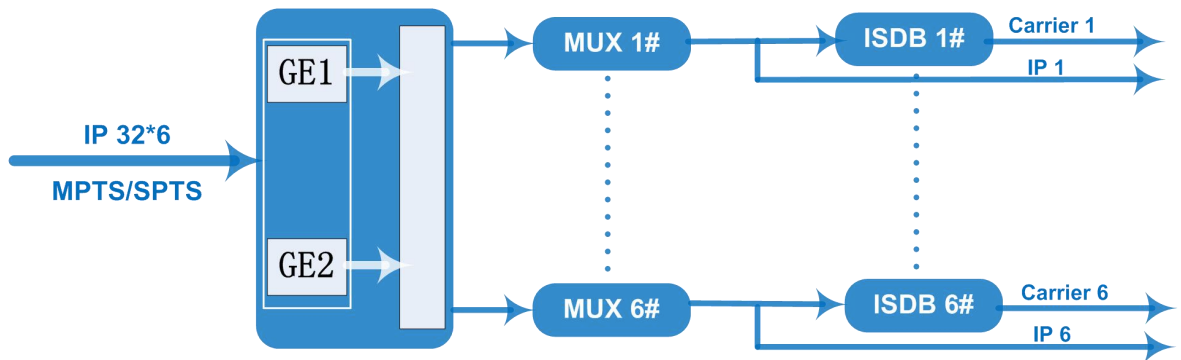
COL5606J IP to 6x ISDB-T modulator is the latest generational Mux-modulating device developed by COLABLE. It has 6 multiplexing channels and 6 (ISDB-Tb) modulating channels, and supports maximum 192 IP input through the GE ports and 6 non-adjacent carriers (50MHz~960MHz) output through the RF output 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.

### **Features**

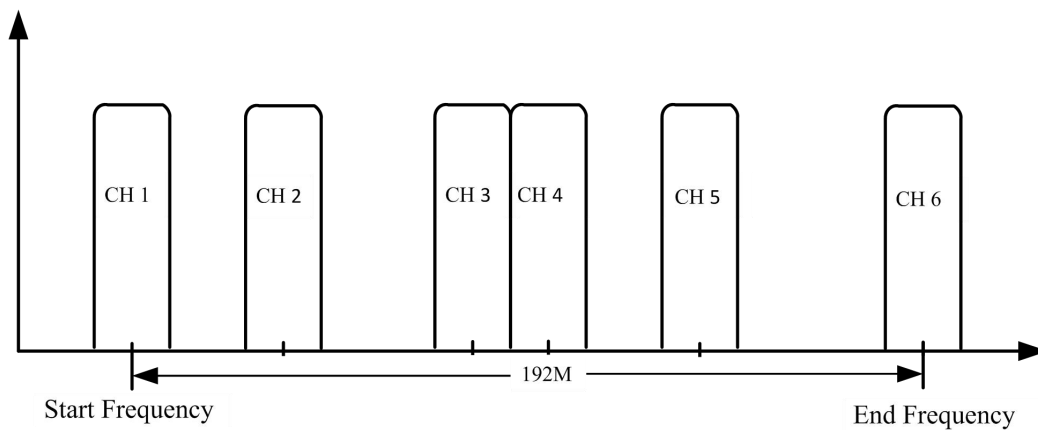
- ✓ 2 GE input, Data 1 and Data 2
- ✓ Supports up to 192 IP input over UDP/RTP, unicast and multicast, IGMP v2\v3
- ✓ Max 840Mbps for each GE input
- ✓ Supports accurate PCR adjusting
- ✓ Supports CA PID filtering, remapping and PSI/SI editing
- ✓ Supports up to 180 PIDS remapping per channel
- ✓ Support 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



### Technical Specifications

<b>Input</b>	<b>Input</b>	32x6 IP input, 1000M Ethernet Port
	<b>Transport Protocol</b>	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	<b>Transmission Rate</b>	Max 840Mbps for each GE input
<b>Mux</b>	<b>Input Channel</b>	192
	<b>Output Channel</b>	6

	<b>Max PIDs</b>	180 per channel
	<b>Functions</b>	PID remapping (auto/manually optional)
		PCR accurate adjusting
		PSI/SI table automatically generating
<b>Modulation Parameters</b>	<b>Standard</b>	ARIB STD-B31
	<b>Bandwidth</b>	6M
	<b>Constellation</b>	QPSK, 16QAM, 64QAM
	<b>Guard Interval</b>	1/32, 1/16, 1/8, 1/4
	<b>Transmission Mode</b>	2K, 4K, 8K
	<b>Code rate</b>	1/2, 2/3, 3/4, 5/6, 7/8
	<b>MER</b>	≥40dB
	<b>RF frequency</b>	50~960MHz, 1KHz step
	<b>RF output level</b>	-20dBm~+10dBm(87~117dBμV), 0.1dB stepping
<b>RF Output</b>	<b>Interface</b>	1 F typed output port for 6 carriers, 75Ω impedance
	<b>ACLR</b>	-50 dBc
<b>TS output</b>	6 IP output over UDP/RTP/RTSP, unicast/multicast, 1000M Ethernet Ports	
<b>System</b>	Network management software (NMS) supporting	
<b>General</b>	<b>Demission</b>	420mm×440mm×44.5mm (WxLxH)
	<b>Weight</b>	3kg
	<b>Temperature</b>	0~45°C(operation), -20~80°C(storage)
	<b>Power Supply</b>	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	<b>Consumption</b>	15.4W