ISDB-T Tuner Input Multiplexer

Outline

This DVB-S2 Tuner Input Multiplexer is the latest demodulation and multiplexing device for digital TV broadcasting head-end system. Different from normal multiplexer, thi s multiplexer has both ASI and tuner inputs (ISDB-T/DVB-C/S/S2/T optional), and two separate ASI output ports and one DATA port for two separate gigabit IP outputs. In other words, i t can multiplex the RF signals from satellite into the output ports via the 6 tuners, also it can multiplex up to 2 channels ASI input MPTS into the o utput transport stream (MPTS), which allows this Tuner Input Multiplexer to work as 6 standalone FTA IRD and two separate ASI output multiplexer. In conclusion, its high integration and cost effective design make this device widely used in the Next Generation of CATV Broadcasting system.

Features

- Fully complies with ISO13818 and EN300468 standard
- Integrated demodulating and multiplexing functions
- 6 DVB-S2 tuner inputs and 2 ASI inputs
- MPEG-2 and mpeg-4 transport stream re-multiplexing

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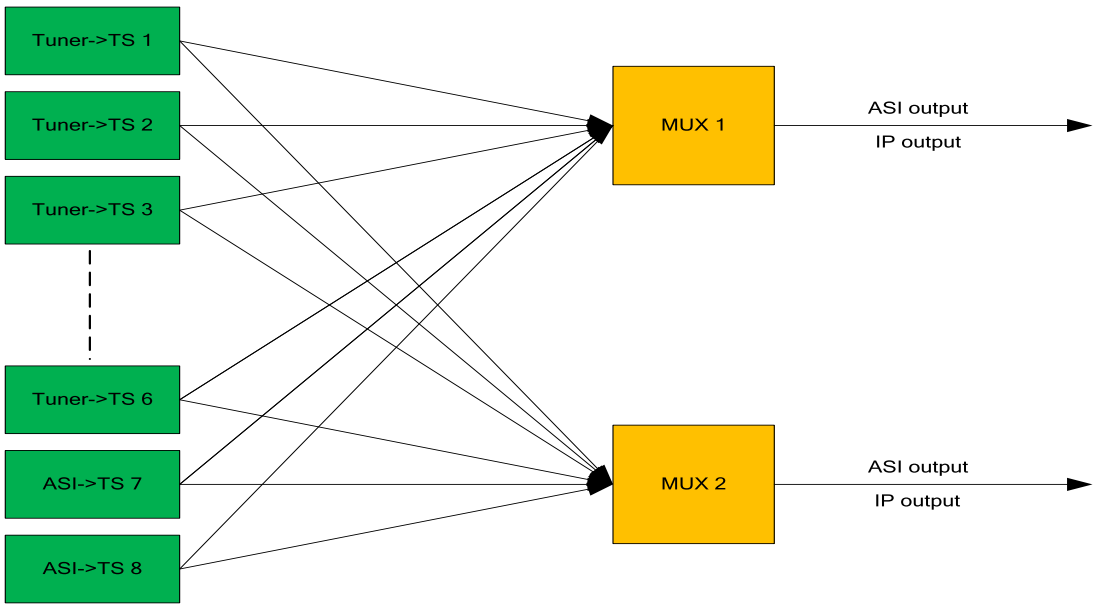
- SPTS and MPTS code stream multiplexing
- Supports accurate PCR and PID re-mapping
- Two groups(each group has 2 channels) separate TS output
- Two channels IP output(the mirrors of the 2 ASI outputs)
- Supports PSI/SI editing
- Supports huge buffer memory and resists unexpected code stream
- Supports multiplexing the same program to all the output channels
- Alarming function
- Supports network remote upgrading
- Full-size LCD display and NMS operation

Principle Chart



Specifications

Input interface	Tuner	6 channels (ISDB-T/DVB-C/S/S2/T optional)
	ASI	2 channels (Up to 214Mbps per channel)

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Re-multiplex	MPEG-2 TS re-multiplex	
	PID re-mapping (auto/manual optional)	
	PCR correction	
	Automatic generating PSI/SI table	
Input	Packet format	204/188 self-adaption
Output port	ASI	2 separate groups outputs (each group has 2 channels)
	IP	2 channels separate IP output (Giga Port)
PID	Output range	0000—1FFF
	PID transparent	Any PID transparent and mapping achievable
	Amount of output PID per input	256 (at most)
NMS port	Ethernet port	10/100M
Miscellaneous	Demission (W *L*H)	482mm×410mm×44mm
	Weight	4kg
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power supply	AC 110V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	≈18W