

PR-3107X SERIES MULTIPLEXER



Outline

PR-3107X series multiplexer is an enhanced TS re-multiplexer for digital TV broadcasting head-end system. The multiplexer has all the functions of normal TS multiplexer, including programs multiplexing, PID re-mapping, service filtering etc. Also the multiplexer can insert EPG (Electronic Program Guide), CA (Conditional Access) and data casting information into each output stream. BISS function embedded will carefully descramble your tuner input programs. This multiplexer has 2 separate ASI output ports and one GE port for two separate gigabit IP outputs. Therein, the bit rate of output stream can be up to 216Mbps.

Features

- Fully complying with ISO13818 and EN300 468 standard
- Integrated demodulating and multiplexing functions
- Support BISS descrambling
- 2 channels TS input for re-multiplexing
- Support accurate PCR adjusting
- Support PID filtering, re-mapping
- Two groups (each group has 2 channels) separate TS outputs
- Support TS over UDP output as mirror of ASI output (RJ45), GE Port
- Support PSI/SI (PAT and PMT tables) generation and edit--- For 3107&3107A
- Support PSI/SI (PAT and PMT tables) and PSIP (STT, MGT, VCT tables)--- For 3107B

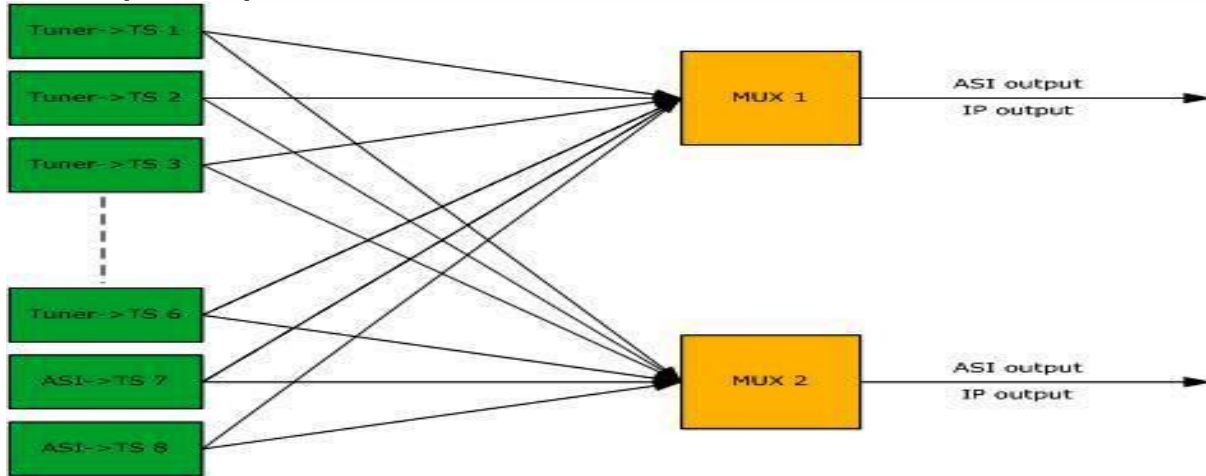
- Support PSI/SI rebuilding and editing
- Huge buffer memory for saving the overflowing code stream
- Supporting to multiplex one program to all outputs
- Network long-distance upgraded
- With high reliability design and stability operation
- LCD/keyboard and net management, support NMS/SNMP

Specifications

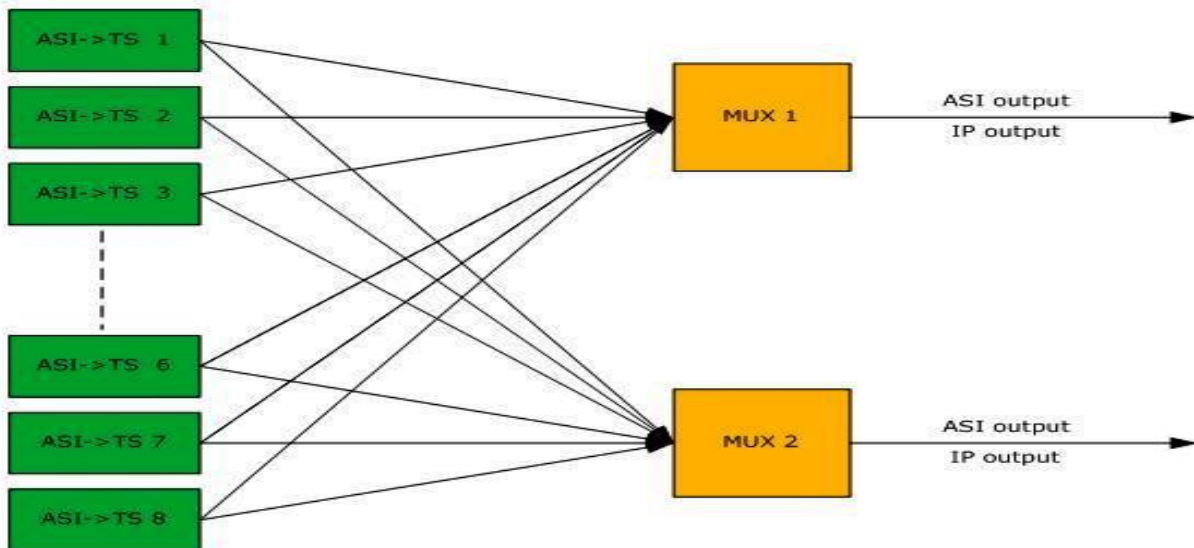
Input interface	2 ASI+6 tuners(DVB-C/DVB-S/DVB-S2/DVB-T/DVB-T2/ISDB/ATSC)		NDS3107 DVB Multiplexer
	8 ASI (DVB)		NDS3107A DVB Multiplexer
	2 ASI+6 tuner(DVB-C/DVB-S/DVB-S2/DVB-T/DVB-T2/ISDB/ATSC)		NDS3107B ATSC Multiplexer
	8 ASI (ATSC)		
Re-multiplex	2 channels TS re-multiplex		
	PID re-mapping (auto/manual optional)		
	PCR accurate adjusting		
	PSI/SI (PAT, PMT) tables auto generation and edition (For 3107&3107A series); PSI/SI (PAT, PMT) and PSIP (STT, MGT, VCT) tables auto generation and edition (For 3107B series)		
Input	Packet format	204/188 self-adaption	
Output port	ASI	2 groups separate outputs (each group has 2 channels)	
	IP	TS over UDP output as mirror of ASI output(RJ45), GE Port	
PID	Output range	0x0000—0x1FFF	
	PID transparent	Any PID transparent and mapping achievable	
	Amount of output PID per input	64	
NMS port	Ethernet port	10/100M	
General	Demission(WxLxH)	482mm×410mm×44mm	
	Weight	6kg	
	Temperature	0~45℃(operation), -20~80℃(storage)	
	Power supply	AC 110V±10%, 50/60Hz Or AC 220V±10%, 50/60Hz	
	Consumption	18W	

System Structure Chart

Tuner Input Multiplexer



ASI Input Multiplexer



Purchase information

DVB standard Multiplexer	
NDS3107	2ASI+6 tuner input (DVB-C/DVB-S/DVB-S2/DVB-T/DVB-T2/ISDB/ATSC)
NDS3107A	8 ASI Input
ATSC standard Multiplexer	
NDS3107B	2ASI+6 tuner input (DVB-C/DVB-S/DVB-S2/DVB-T/DVB-T2/ISDB/ATSC)
	8 ASI Input