



Outline

NDS3107X 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. 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
- 1 IP input over UDP and RTP protocol and 2 channels ASI input for re-multiplexing
- Support accurate PCR adjusting
- Support PID filtering, re-mapping

- Two groups (each group has 2 channels) separate TS outputs
- Support IP over UDP output as mirror of ASI output (RJ45), GE Port
- Support PSI/SI (PAT and PMT tables) generation and edit--- For 3107
Support PSI/SI (PAT and PMT tables) and PSIP (STT, MGT, VCT tables)--- For 3107B
- Huge buffer memory for saving the overflowing code stream
- Supporting to multiplex one program to all outputs
- Network long-distance upgraded
- LCD/keyboard and net management, support NMS/SNMP

Specifications

Input interface	1IP+2 ASI+6 tuners(DVB-C/DVB-S/DVB-S2/DVB-T/DVB-(T)/ISDB/ATSC)	NDS3107
	1IP+2 ASI+6 tuner(DVB-C/DVB-S/DVB-S2/DVB-T/DVB-(T)/ISDB/ATSC)	NDS3107B
	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 NDS3107); PSI/SI (PAT, PMT) and PSIP (STT, MGT, VCT) tables auto generation and edition (For NDS3107B)	
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

Principle Chart

