



**NDS3108 NDS3107I**

**Tuner input Multiplexer**



## Outline

NDS3108 and NDS3107I Tuner Input Multiplexer is the latest demodulation and multiplexing device for digital TV broadcasting head-end system with TS output through ASI and IP port. It can multiplex up to 8 channels Tuner and 1 ASI input to one MPTS. This multiplexer has the functions of supporting auto-generation of PSI/SI information, PID re-mapping, service filtering and PCR adjusting. Also the multiplexer can insert EPG (electronic program guide), CA (conditional access), data broadcasting into output TS. In conclusion, its high integration and cost effective design make this device widely used in the CATV Broadcasting system.

## Features

- Fully complying with ISO13818 and EN300 468 standard
- 8 Tuner(DVB-C/S2/ (T)/ATSC optional)+1 ASI input port---NDS3107I
- 8 Tuner(DVB-C/S2/(T) optional)+1ASI input port---NDS3108
- ASI and IP output
- Integrated demodulating and multiplexing functions
- Support accurate PCR adjusting
- Support PID filtering, re-mapping
- Support PSI/SI rebuilding and editing
- Support MPTS over UDP, RTP/RTSP output as mirror of ASI output (RJ45)
- Huge buffer memory for saving the overflowing code stream
- Supporting to multiplex one program to all outputs



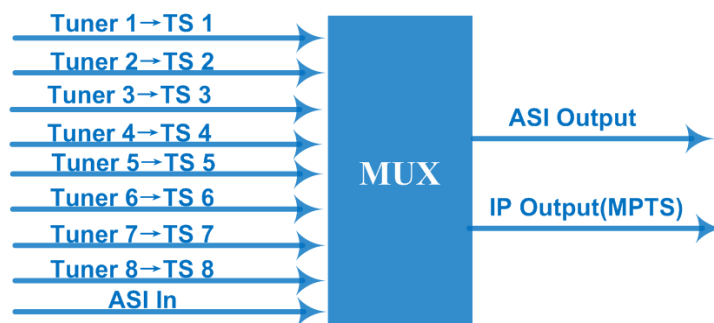
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- Alarming function
- LCD/keyboard and Web-based NMS management

## Principle Chart



## Specifications

<b>Input interface</b>	8 DVB-C/S2/(T)/ATSC tuners+1 ASI---NDS3107I	
	8 DVB-C/S2/(T) tuners+1 ASI---NDS3108	
<b>Re-multiplex</b>	PID re-mapping	
	PCR accurate adjusting	
	Automatic generating PSI/SI table	
<b>Input</b>	Packet format	204/188 self-adaption
	ASI	2 * ASI output (Max 180Mbps)
<b>Output port</b>	IP	MPTS over UDP, RTP/RTSP out as mirror of ASI output (RJ45)
		100 Mbps Ethernet—NDS3108 (Max 83Mbps)
		1000 Mbps Ethernet—NDS3107I (Max 280Mbps)
<b>PID</b>	Output range	0x0000—0x1FFF
	PID transparent	Any PID transparent and mapping achievable
	output PID	128 (per input channel)
<b>NMS port</b>	Ethernet port	10/100M
<b>General</b>	Demission	482mm×300mm×44mm (W×L×H)
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power supply	AC 110V±10%, 50/60Hz Or AC 220V±10%, 50/60Hz

## Ordering Guide

	NDS3108	NDS3107I
100M IP Out	●	
1000M IP Out		●