



**NDS3712B**

**Multiplexer Scrambler**



## Outline

NDS3712B multiplexer scrambler is the latest multiplexing and scrambling device for digital TV broadcasting head-end system. It can receive up to 8 ASI and 64 IP input and output TS after multiplexing and scrambling. There are 2 groups of separate ASI output port and GE ports for IP outputs. The multiplexer scrambler has all the functions of normal TS multiplexer, including programs multiplexing, PID re-mapping etc. Also the multiplexer can insert EPG (Electronic Program Guide), and data casting information into each output stream. 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
- Support 8 ASI input for re-multiplexing
- Support 64 IP input through DATA 1 and DATA 2 over UDP protocol
- Support accurate PCR adjusting/ PID re-mapping/PSI/SI rebuilding and editing
- Support 6 different simulcrypt (CAS ETR289, ETSI 101 197, ETSI 103 197)
- Two groups (each group has 2 channels)separate ASI outputs
- IP (2 MPTS) over UDP, RTP/RTSP output as mirror of ASI output (RJ45), GE Port, DATA 1 and DATA 2



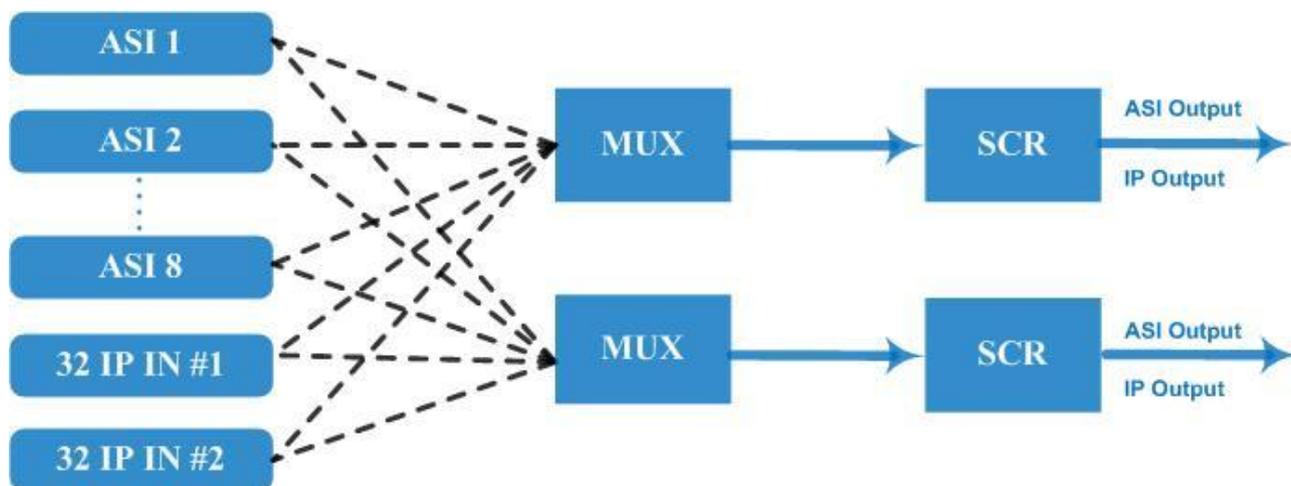
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- Huge buffer memory for saving the overflowing code stream
- Support to multiplex one program to all outputs
- LCD/keyboard and Web-based NMS management

## Principle Chart



## Specifications

<b>Input</b>	8 ASI input+ 64 IP input DATA 1 and DATA 2 over UDP protocol	
<b>Re-multiplex</b>	PID re-mapping	
	PCR accurate adjusting	
	PSI/SI (PAT, PMT) tables auto generation and edition	
<b>Scrambling</b>	Simul-crypt CA	6
	Standard	ETR289, ETSI 101 197, ETSI 103 197
	Connection	Local/Remote connect
<b>Output port</b>	ASI	2 groups separate outputs (each group has 2 channels)
	IP	MPTS over UDP, RTP/RTSP output (RJ45), 1000Mbps Ethernet, DATA 1 and DATA 2
<b>PID</b>	Output range	0x0000—0x1FFF
	PID transparent	Any PID transparent and mapping achievable
	Amount of output PID	512
<b>NMS port</b>	Ethernet port	10/100M/1000M self adaption
<b>General</b>	Dimensions	482mm×300mm×44mm (W×L×H)
	Weight	3.5kg
	Temperature	0~45°C (operation), -20~80°C (storage)
	Power supply	AC 110V±10%, 50/60Hz Or AC 220V±10%, 50/60Hz