DX3504 — IP Multiplexer
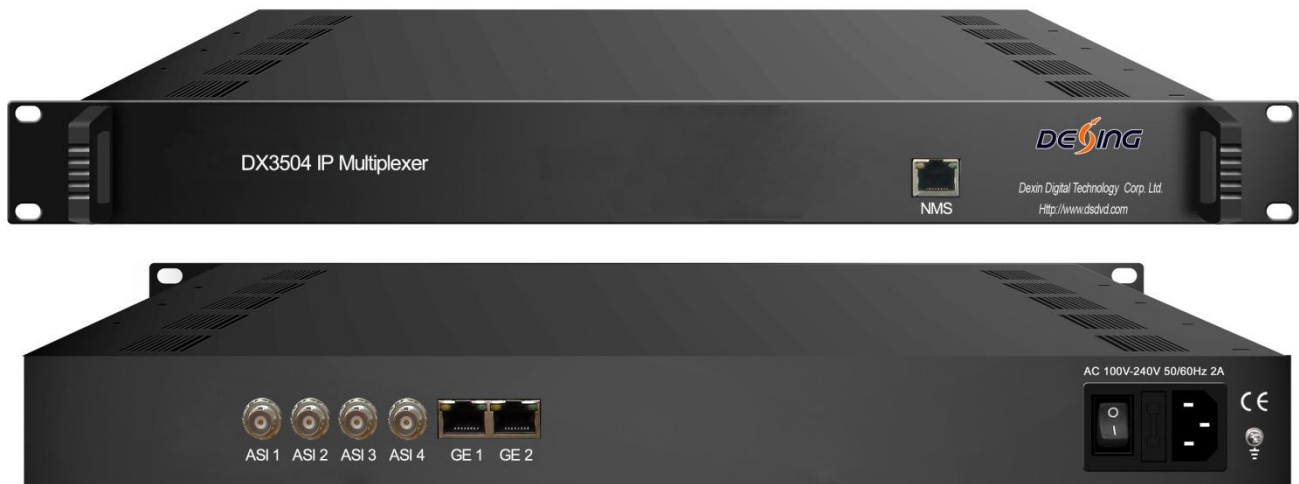
Product Overview

NDS3504 IP Multiplexer is Dexin's latest multiplexing device for digital TV broadcasting head-end system with TS output through 4 bi-direction ASI and 2 bi-direction IP port. It can multiplex up to 4 ASI and 512 IP input to 4 MPTS, and the amount of ASI output should based on ASI input (ASI port can be used as input or output). NDS3504 IP multiplexer has the functions of supporting auto-generation of PSI/SI information, PID re-mapping, service filtering and PCR adjusting. In conclusion, its high integration and cost effective design make this device widely used in the CATV Broadcasting system.

Key Features

- **4 bi-direction ASI ports and 2 100/1000M Ethernet Port**
- **Support maximum 4 ASI input and 256×2 IP input**
- **Support accurate PCR adjusting**
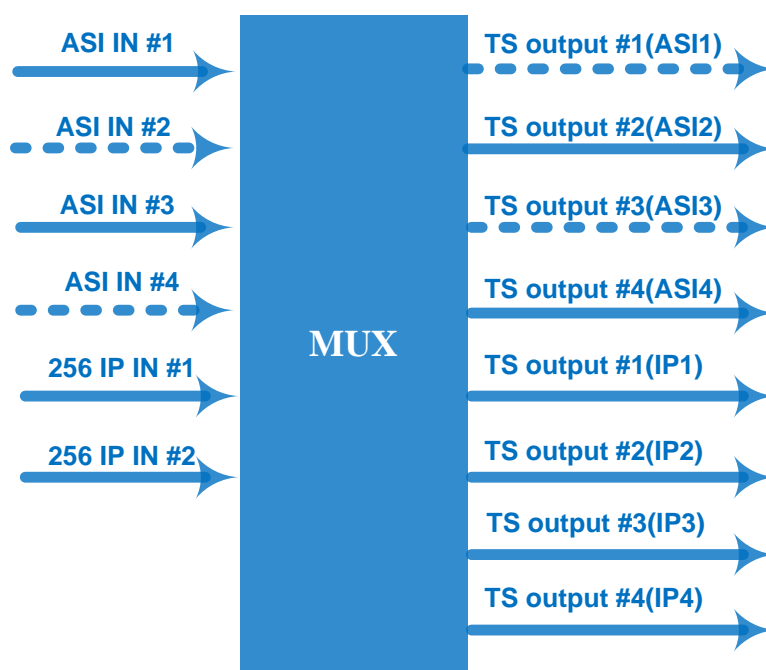- **Support PID filtering, re-mapping**

- **Support PSI/SI rebuilding and editing**

- **Support maximum 4 ASI output and 4 IP(MPTS) output over UDP**

- **Huge buffer memory for saving the overflowing code stream**

- **Supporting to multiplex one program to all outputs**

- **Alarming function**

- **Web-based NMS management**

Inner Principle Chart

ASI IN #1 → ┌─────┐ → TS output #1(ASI1)
ASI IN #2 → │   │ → TS output #2(ASI2)
ASI IN #3 → │   │ → TS output #3(ASI3)
ASI IN #4 → │   │ → TS output #4(ASI4)
256 IP IN #1 → │ MUX │ → TS output #1(IP1)
256 IP IN #2 → │   │ → TS output #2(IP2)
             │   │ → TS output #3(IP3)
             └─────┘ → TS output #4(IP4)

Specifications

Input interface	4 ASI bi-direction, BNC 75Ω	
	512 IP input through Ethernet Port	
Re-multiplex	PID re-mapping	
	PCR accurate adjusting	
	Automatic generating PSI/SI table	
Input	Packet format	204/188 self-adaption
Output	ASI	≤4 ASI，Maximum output bit-rate：200Mbps（Each channel）
	IP	4 MPTS over UDP output (RJ45), 100/1000Mbps self-adaption.
PID	PID transparent	Any PID transparent and mapping achievable
	Amount of output PID (Per channel)	512
System	Web management:10/100M NMS port	
	Language: English and Chinese	

	Ethernet software upgrade	
General	Dimensions	482mm×300mm×44mm (WxLxH)
	Weight	3.5kg
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power supply	AC 110V±10%, 50/60Hz Or AC 220V±10%, 50/60Hz
	Consumption	≤40W