



DX3504

IP Multiplexer



Product Overview

DX3504 IP Multiplexer is a Dexing's latest multiplexing model for digital TV broadcasting head-end system with TS output through 4 bi-direction ASI and 3 bi-direction data ports. It can multiplex up to 4 ASI and **768** IP inputs to **4** MPTS, and the amount of ASI output is based on ASI input (ASI port can be used as input or output). DX3504 IP multiplexer has the functions of 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

- **ASI in/out: max 4 ASI input/output thru 4 bi-direction ASI ports (ASI direction can be defined as input or output manually)**
- **IP input: 768 IP inputs over UDP/RTP in total (256 IP inputs thru GE1, GE2 and DATA port respectively)**
- **IP output: 4 IP (MPTS) out over UDP/RTP thru GE1, GE2 and DATA port**
- **Support bypass output**
- **Support accurate PCR adjusting, PID filtering, re-mapping and PSI/SI rebuilding and editing**
- **Huge buffer memory for saving the overflowing code stream**
- **Web-based NMS management**

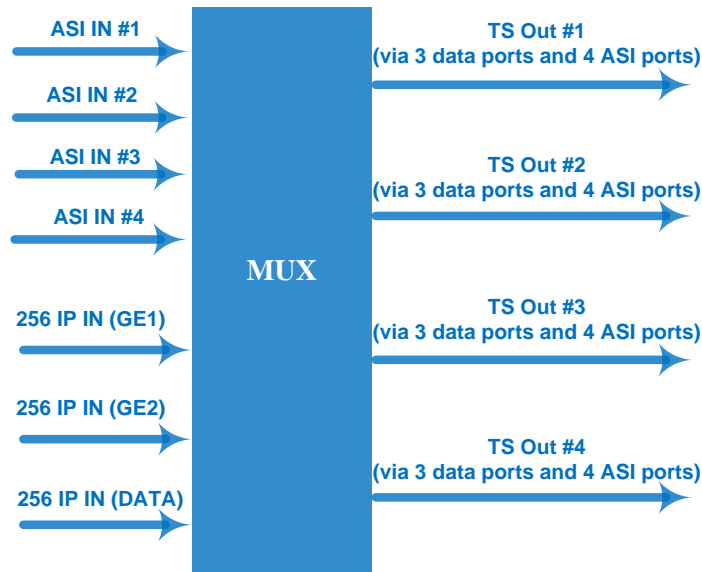


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Inner Principle Chart



ASI direction can be defined as input or output manually

Specifications

| | | |
|-----------------------------------|---|---|
| Input / Output | 4 bi-direction ASI ports: max 4 ASI input/output, BNC 75Ω | |
| | 3 bi-direction Data ports (RJ45) | |
| | 768 IP inputs over UDP/RTP (256 IP inputs thru GE1, GE2 and DATA port respectively) | |
| | 4 MPTS outputs over UDP/RTP thru GE1, GE2 and DATA port | |
| | 100/1000Mbps self-adaption for all data ports | |
| | Packet format | 204/188 self-adaption for input, 204/188 is settable for output |
| | Output TS Mode | bytes/packets |
| Re-multiplex | Max PID numbers | 748 PID numbers for GE1 |
| | | 748 PID numbers for GE 2 |
| | | 748 PID numbers for DATA port and 4 ASI ports together |
| | Functions | PID re-mapping |
| PCR accurate adjusting | | |
| Automatic generating PSI/SI table | | |
| PID transparent | PID transparent and mapping achievable | |
| 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 |