



NDS3108 NDS3107I

Tuner input Multiplexer



Outline

NDS3108 and NDS3107I DVB-S2/T2 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-S2/DVB-T2 optional)+1 ASI input ports
- 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



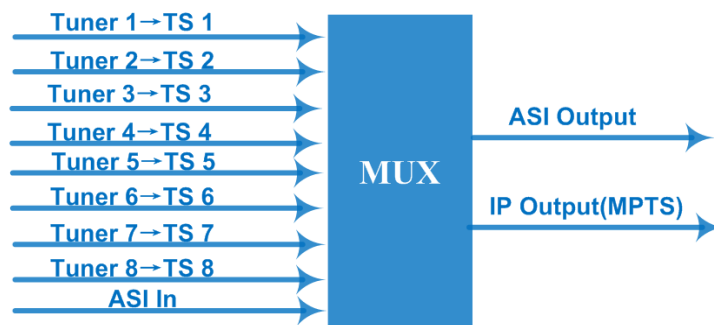
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Add: No. 10 & No. 12, Wuxing Fourth Road, Wuhou District, Chengdu 610045, Sichuan, PR China

www.dsdtvb.com/English Tel: +86-028-85558928 Fax: +86-028-85585255 Email: sunyu@dsdtvb.com

- Supporting to multiplex one program to all outputs
- Alarming function
- LCD/keyboard and Web-based NMS management

Principle Chart



Specifications

| | | | |
|------------------------|-----------------------------------|--|---|
| Input interface | 8 DVB-S2/DVB-T2 tuners+1 ASI | | |
| Re-multiplex | PID re-mapping | | |
| | PCR accurate adjusting | | |
| | Automatic generating PSI/SI table | | |
| Input | Packet format | 204/188 self-adaption | |
| Output port | ASI | 2 * ASI output (Max180Mbps) | |
| | 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) |
| PID | Output range | 0x0000—0x1FFF | |
| | PID transparent | Any PID transparent and mapping achievable | |
| | Amount of output PID per input | 128 | |
| NMS port | Ethernet port | 10/100M | |
| General | Demission | 482mm×300mm×44mm (W×L×H) | |
| | Weight | 3.5kg | |
| | Temperature | 0~45℃(operation), -20~80℃(storage) | |
| | Power supply | AC 110V±10%, 50/60Hz Or AC 220V±10%, 50/60Hz | |
| | Consumption | 18W | |

Ordering Guide

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