



NDS3306I

6 in 1 ISDB-T Modulator



Product Overview

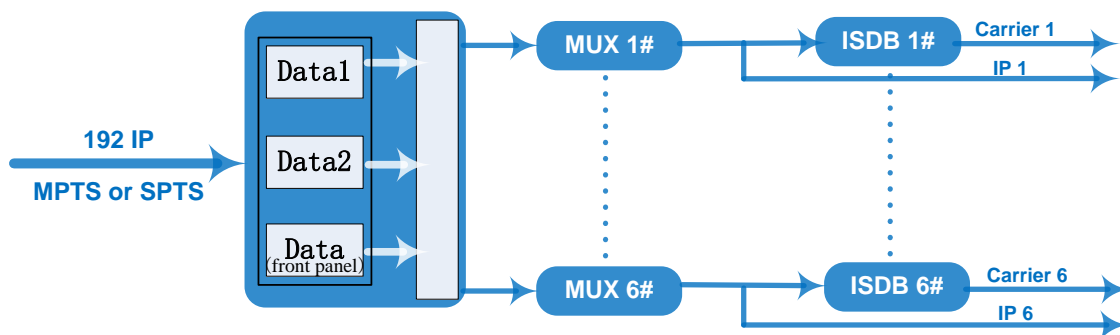
NDS3306I 6 in 1 ISDB-T modulator is the latest generational Mux-modulating device developed by DEXIN. It has 6 multiplexing channels and 6 (ISDB-Tb) modulating channels, and supports maximum 192 IP input through the 3 GE ports and 6 non-adjacent carriers (50MHz~960MHz) output through the RF output interface. The device is also characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation DTV broadcasting system.

Key Features

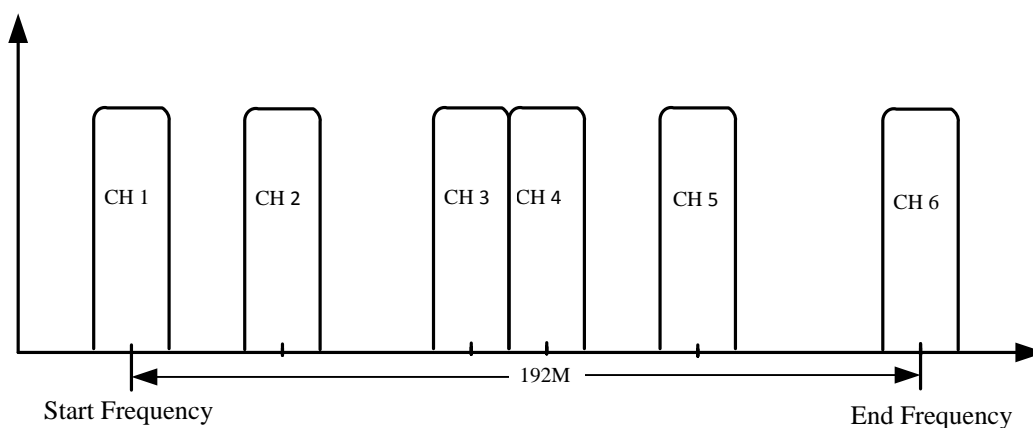
- **3 GE ports (max 192 IP in):**
 - Data1 & Data2 bi-directional ports, max 192 IP in, 6 IP out**
 - Data port (located on front panel), max 128 IP in**

- Max 840Mbps for each GE input
- Supports accurate PCR adjusting
- Supports CA filtering, PID remapping and PSI/SI editing
- Supports up to 180 PIDS remapping per channel
- Support 6 IP output through Data1 & Data2 over UDP/RTP/RTSP
- 6 non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)
- Support Web-based Network management

Inner Principle Chart



Carrier Setting Illustration



Specifications

| | | |
|------------------------------|---|--|
| Input | Input | Max 192 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). Each Data1 or Data 2 port can input max 192 IP, while front-panel Data port can input max 128 IP |
| | Transport Protocol | TS over UDP/RTP, unicast and multicast, IGMP V2/V3 |
| | Transmission Rate | Max 840Mbps for each GE input |
| Mux | Input Channel | 192 |
| | Output Channel | 6 |
| | Max PIDs | 180 per channel |
| | Functions | PID remapping (auto/manually optional) PCR accurate adjusting PSI/SI table automatically generating |
| Modulation Parameters | Standard | ARIB STD-B31 |
| | Bandwidth | 6M |
| | Constellation | QPSK, 16QAM, 64QAM |
| | Guard Interval | 1/32, 1/16, 1/8, 1/4 |
| | Transmission Mode | 2K, 4K, 8K |
| | Code rate | 1/2, 2/3, 3/4, 5/6, 7/8 |
| | MER | ≥40dB |
| | RF frequency | 50~960MHz, 1KHz step |
| RF Output | Interface | 1 F typed output port for 6 carriers, 75Ω impedance |
| | ACLR | -50 dBc |
| TS output | 6 IP output over UDP/RTP/RTSP, unicast/multicast, 2 (Data1& Data2) 100/1000M Ethernet Ports | |
| System | Network management software (NMS) supporting | |
| General | Demission | 420mm×440mm×44.5mm (W×L×H) |
| | Weight | 3kg |
| | Temperature | 0~45°C (operation), -20~80°C (storage) |
| | Power Supply | AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz |
| | Consumption | 15.4W |