



NDS3107G

Tuner Multiplexer



Outline

NDS3107G Tuner Input Multiplexer is the latest demodulation and multiplexing device for digital TV broadcasting head-end system with TS output through IP port. It can multiplex up to 16 channels Tuner and 2 ASI input to IP (MPTS). This multiplexer has the functions of supporting auto-generation of PSI/SI information, PID re-mapping, and service filtering. BISS function embedded will carefully descramble tuner input programs. In conclusion, its high integration and cost effective design make this device widely used in the CATV Broadcasting system.

Key Features

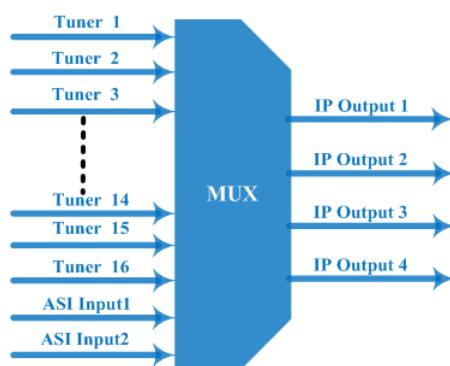
- Support 16 FTA DVB-S/S2 (DVB-C/(T)/ISDB-T/ATSC optional) input, 2 ASI input
- Support BISS descrambling, and each channel bit rate cannot exceed 80Mbps
- Support DisEqc function
- 4 IP output (MPTS) over UDP, RTP/RTSP protocol
- 2 GE mirrored output, up to 850Mbps
- Support PID filtering, re-mapping
- Support PSI/SI rebuilding and editing

- Support “Null PKT Filter” function
- Support Web operation

Specifications

Input	16 tuners input +2 ASI input	
Tuner Section	DVB-C	Standard J.83A(DVB-C), J.83B, J.83C Frequency In 30 MHz~1000 MHz Constellation 16/32/64/128/256 QAM
	DVB-(T)	Frequency In 30MHz ~999.999 MHz Bandwidth 6/7/8 M bandwidth
	DVB-S/S2	Input Frequency 950-2150MHz Symbol rate DVB-S:QPSK 2~45Mbauds; DVB-S2:QPSK 1~45Mbauds, 8PSK 2~30Mbauds
		Code rate 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
		Constellation QPSK, 8PSK
	ISDB-T	Input Frequency 30 MHz~1000MHz
	ATSC	Bandwidth 6M
		Input Frequency 50 MHz~960MHz
Re-multiplex	PID re-mapping	
	PCR accurate adjusting	
	Automatic generating PSI/SI table	
PID	Output range	0x0000—0x1FFF
	PID transparent	Any PID transparent and mapping achievable
	Amount of output PID per input	128
BISS descrambling	Mode 1, Mode E (Up to 850Mbps) (descramble individual program)	
Output	4 IP (MPTS) output over UDP and RTP/RTSP protocol through GE1 and GE2 port, Unicast and Multicast	
Miscellaneous	Dimension(W×L×H)	482mm×410mm×44mm
	Approx weight	3.6kg
	Environment	0~45°C(work); -20~80°C (Storage)
	Power requirements	100~240VAC, 50/60Hz

Working Principle



All the specifications are subject to change without any further notice. All rights reserved.