

**NDS3507Tx Tuner to IP Gateway****NDS3507Tx ASI to IP Gateway**

Outline

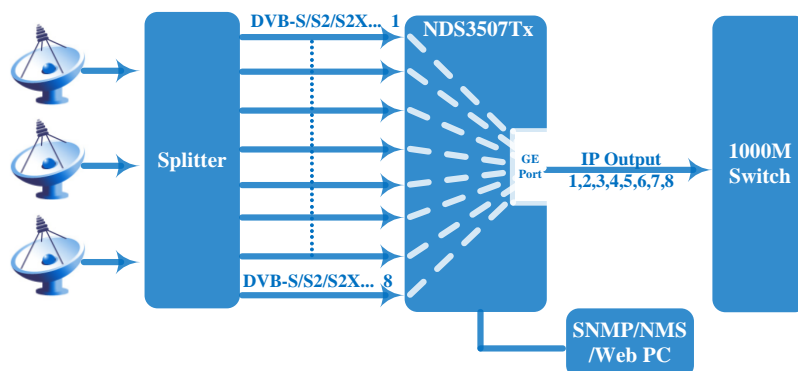
NDS3507Tx Tuner (or ASI) to IP gigabits IP Gateway is a head-end interface conversion device which is used for DVB and Ethernet. It is integrated with tuner demodulation (or ASI input) and gateway function, which can demodulate the signal from 8 tuners into TS and packet the TS into IP package, or directly convert the TS from ASI input into IP package, then output the IP package through different IP address and ports. It supports TS over UDP protocol.

BISS function is now embedded for tuner input to descramble your tuner input programs.

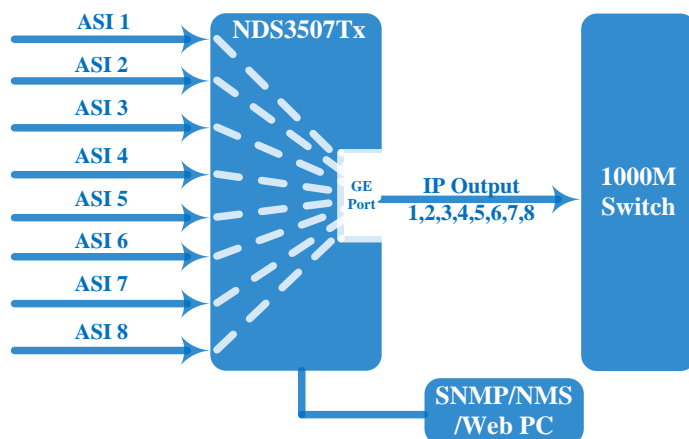
Features

- Integrate demodulation, BISS descrambling and gateway function
- Support 8 channels tuner (DVB-S/-S2/-S2X/-C/-T/-(T)/ISDB-T/ATSC optional) input (or 8 ASI input) and 8 IP output
- Support MPEG-2 and MPEG-4 TS to IP one way conversion
- Support BISS descrambling (Max up to 512 PID)----For Tuner input
- 1 GE output (support parallel 1 Gbps data output channel)
- Support maximum 8 tuner to IP converting channel, the maximum output bit-rate is 800Mbps
- Support 8 MPTS over UDP protocol, unicast and multicast
- Support LCD display and keyboard
- Support NMS/SNMP/Web management

Inner Principle



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Specifications

Interface		Input	8 RF & 8 RF loop-out (DVB-S/S2/S2X/-C/-T/-(T)/ISDB-T/ATSC optional) — NDS3507Tx Tuner input	
			8 ASI — NDS3507Tx ASI input	
		Output	1 GE output, 8 MPTS over UDP protocol, unicast and Multicast	
Demodulating Section	Multi-mode tuners switchable (New Type)	DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C
			Frequency In	60~890 MHz
			Constellation	16/32/64/128/256 QAM
		DVB-T/(T)	Frequency In	60~890 MHz
			Bandwidth	6/7/8 M bandwidth
		ISDB-T	Frequency In	60~890 MHz
	Version 1	DVB-S	Frequency In	950~2150MHz
			Symbol rate	1~45Msps
			Signal Strength	- 65- -25dBm
			FEC	1/2, 2/3, 3/4, 5/6, 7/8
		DVB-S2	Frequency In	950~2150MHz
			Symbol rate	1~45 Msps
			FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
			Constellation	QPSK, 8PSK
	Version 2 (New Type)	DVB-S	Frequency In	950~2150MHz
			Symbol rate	0.5~45Msps
			Signal Strength	- 65- -25dBm
			FEC	1/2, 2/3, 3/4, 5/6, 7/8
			Max input bitrate	≤160 Mbps
		DVB-S2	Frequency In	950~2150MHz
			Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps 32APSK: 0.5~40Msps;
			Code rate	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
			Constellation	QPSK, 8PSK, 16APSK, 32APSK
			Max input bitrate	≤160 Mbps
DVB-S2X			Frequency In	950~2150MHz
		Symbol rate	8APSK/32APSK: 0.5~40Msps; QPSK/8PSK /16APSK :0.5~45 Msps	
		Code rate	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10	

			8APSK: 5/9-L, 26/45-L 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36, 2/3-L, 25/36, 13/18, 7/9, 77/90 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10, 2/3-L, 32/45, 11/15, 7/9
			Constellation QPSK, 8PSK, 8APSK, 16APSK, 32APSK
			Max input bitrate ≤160 Mbps
		ATSC	Frequency In 54~858MHz
			Bandwidth 6M bandwidth
			Constellation 8VSB
Transmission Bit-rate			Maximum total bit-rate is 800Mbps
BISS Mode			Mode 1, Mode E
General	Dimension	482mm×410mm×44mm (W×L×H)	
	Weight	3.6kg	
	Temperature	0~45℃(working), -20~80℃(storage)	
	Power supply	100~240VAC, 50/60Hz	
	consumption	20W	

Updated Date: 19 Feb, 2019