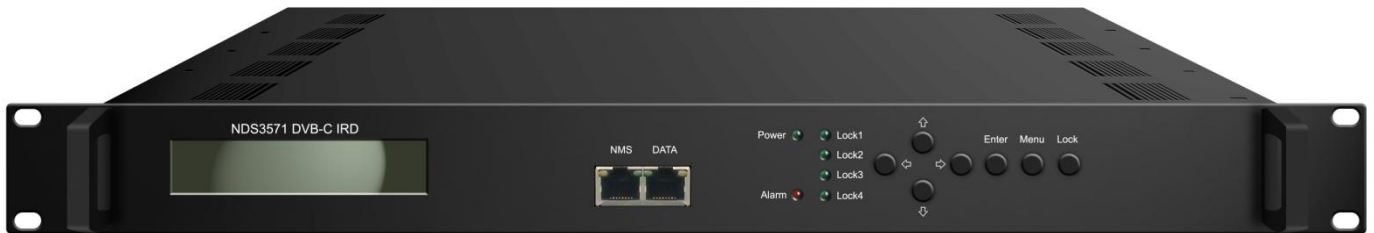




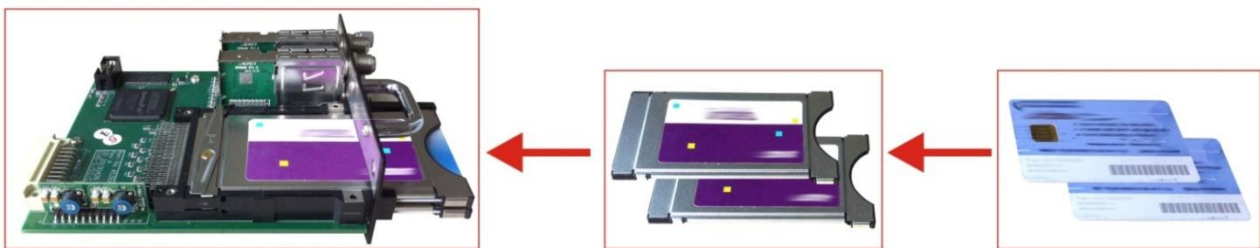
NDS357X

IRD

DVB-C, T/(T), S/S2/S2X, ISDBT RF → ASI/IP



Demodulation Module = 2*RF/Loop out + 2*CAM + 2*Smartcard



Product Introduction

NDS357X IRD is DEXIN's new design which integrates demodulation, de-scrambler in one case to convert RF signals into TS output after re-mux.

It is a 1-U case which supports 4 tuner inputs. The 4 CAMs/CIs accompanied can decrypt programs input from encrypted RF, ASI and IP. The CAM requires NO unsightly external power cords, cables, or additional remote control device.

BISS function is also embedded to descramble programs from any input.

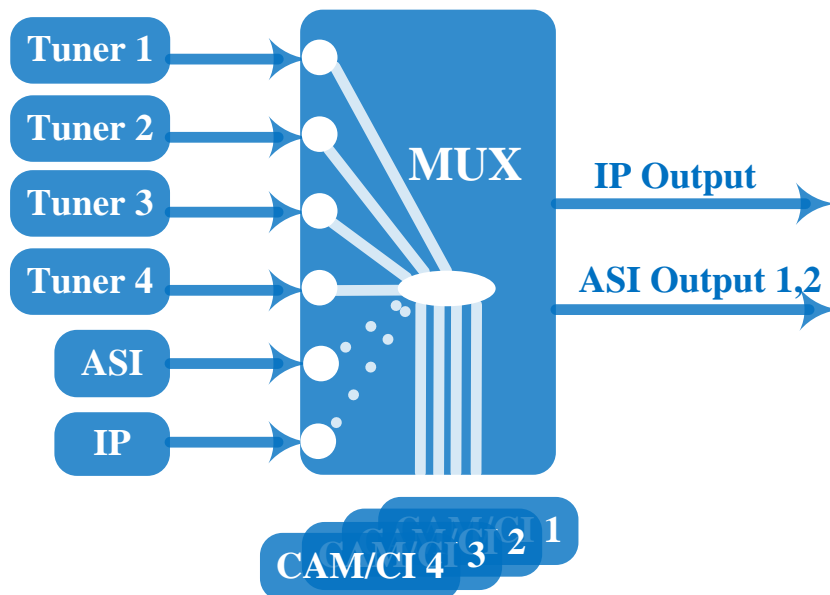
Its pluggable structure design greatly facilitates the change of Tuner modules as needed.

To meet customers' various requirements, NDS357X is also equipped with 1 ASI and 1 IP input for re-mux, and output with 2 ASI ports and IP port.

Key Features

- 4 Tuner (DVB-C/T/(T)/ISDBT/S/S2/S2X/ISDBT optional) inputs
- 1 ASI & 1 IP (UDP) input for re-mux
- One CAM can decrypt multiple programs from Tuners/ASI/IP
- Support BISS descrambling(Up to 120 Mbps)
- IP (1 MPTS & 8 SPTS) over UDP and RTP/RTSP output; ASI out
- Support maximum 128 PID mapping per input
- Pluggable and changeable demodulator modules
- LCD display, Remote control and Firmware, web NMS management
- Updates via web
- Best quality and breakthrough price

Principle Chart

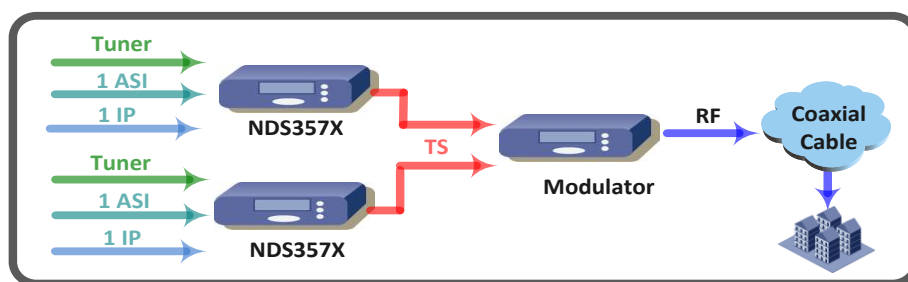


Technical Specifications

Input	1 or 2 or 4* tuner input (DVB-C, T/(T), ISDBT, S/S2/S2X optional), F type				
	1*ASI input for re-mux, BNC interface 1*IP input for re-mux (UDP)				
Tuner Section	Multi-mode tuners switchable (New)	DVB-C	Input Frequency	60 ~890 MHz	
			Standard	J.83A, J.83C	J.83B
			Constellation	16/32/64/128/256 QAM	64/256 QAM
		DVB-T/(T)	Input Frequency	60 ~890 MHz	
			Bandwidth	6/7/8 M	
		ISDB-T	Input Frequency	60 ~890 MHz	
	Version 1	DVB-S	Input Frequency	950~2150MHz	
			Symbol rate	1~45 Msps	
			FEC	1/2, 2/3, 3/4, 5/6, 7/8	
			Constellation	QPSK	
			Signal Strength	- 65- -25dBm	
		Max input bitrate	≤120 Mbps		
		DVB-S2	Input Frequency	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	
	Max input bitrate		≤120 Mbps		
	Version 2 (New)	DVB-S	Input Frequency	950~2150MHz	
			Symbol rate	0.5~45Msps	
			Signal Strength	- 65- -25dBm	
			FEC	1/2, 2/3, 3/4, 5/6, 7/8	
			Constellation	QPSK	
		Max input bitrate	≤170 Mbps		
		DVB-S2	Input Frequency	950~2150MHz	
			Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps 32APSK: 0.5~40Msps;	
			FEC	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			≤170 Mbps		
DVB-S2X		Input Frequency	950~2150MHz		
		Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps 8APSK: 0.5~40Msps 32APSK: 0.5~40Msps		
		FEC	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, 2/3-L, 32/45, 11/15, 7/9
			Constellation	QPSK, 8PSK, 8APSK, 16APSK, 32APSK
			Max input bitrate	≤170 Mbps
Descrambling	CAM/CI Quantity	4		
	BISS Mode	Mode 1, Mode E (up to 120Mbps)		
Output	1*MPTS & 8*SPTS over UDP, RTP/RTSP. 100 Base-T Ethernet interface (unicast / multicast)			
	2×ASI mirrored out, BNC interface			
System	Local interface	LCD + control buttons		
	Remote management	Web-server Management		
	Language	English		
	Upgrade	USB, web management		
Miscellaneous	Dimension	482*300*44.5mm (W×L×H)		
	Approx weight	3.5kg		
	Environment	0~45℃(work); -20~80℃ (Storage)		
	Power requirements	100~240VAC, 50/60Hz		
	Power consumption	20W		

System Connection Sample



Ordering Guide

NDS357X, 'X' should be interpreted as different digits which indicate tuners of different standard.

- ✓ NDS3571 DVB-C IRD
- ✓ NDS3574 DVB-T/(T) IRD
- ✓ NDS3575 DVB-S/S2 IRD

Updated Date: 17 May, 2019