

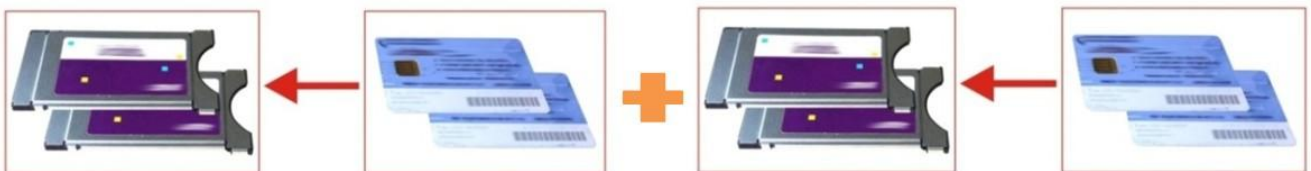


**NDS358xA**

**4-in-1 IRD**



**4 CI Slots = 4\*CAM + 4\*Smartcard**



## Outline

NDS358xA is a high performance and cost-effective receiver designed by Dexin. It has 8 tuner inputs. After de-modulation and de-mux process, it gives 512 IP SPTS output through one IP port. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, the four CAMs/CIs accompanied and BISS modules can descramble the input programs from 8 Tuners. NDS358xA can be upgraded and controlled through network system, which allows it widely used in digital broadcasting network and provide good signals for scientific laboratory.



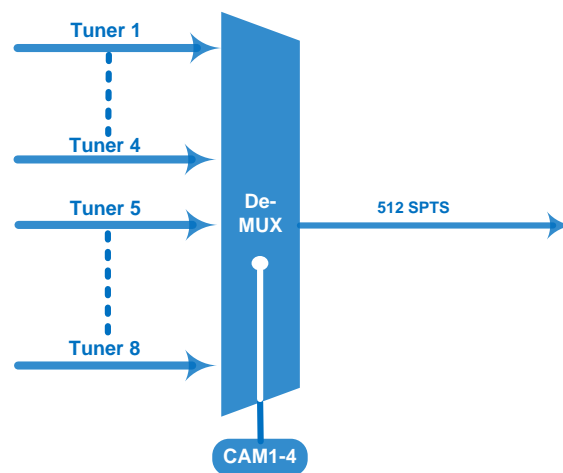
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## Key Features

- 4 FTA Tuner (DVB-C/T/(T)/S/S2/S2X/ISDBT optional) + 4 Tuner with 4 CAM slots (DVB-C/T/(T)/S/S2/S2X/ATSC/ISDBT optional)
- One CAM can decrypt multiple programs from Tuner inputs
- 512 IP SPTS output
- Support BISS descrambling
- Web-based NMS management

## Principle Chart



## Tech Specifications

<b>Input</b>	4 Tuner (DVB-C/T/(T)/S/S2/S2X/ISDBT optional) + 4 Tuner with CAM Slots (DVB-C/T/(T)/S/S2/S2X/ATSC/ISDBT optional)				
<b>Tuner Section</b>	Multi-mode tuners switchable	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	
	DVB-S/S2/S2X Tuner	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		≤ 129 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	≤129 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	≤129 Mbps		
	ATSC-T	Input Frequency	54~858MHz	
		Bandwidth	6M	
<b>Descrambling</b>	CAM/CI	4 sets		
<b>BISS Descrambling</b>	Mode 1, Mode E (descramble individual program)			
<b>Stream out</b>	512 SPTS out over UDP and RTP protocol (RJ45, 1000M Unicast/Multicast)			
<b>System</b>	Web-based NMS support			
	Ethernet software upgrading			
<b>General</b>	Dimension	482mm×300mm×44.5mm (W*D*H)		
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)		
	Power	AC 100V±10%/60Hz; AC 220V±10%, 50/60HZ		

## Tech Comparison

	NDS358x	NDS358xA
<b>Tuner input</b>	4	8
<b>ASI input</b>	1	N/A
<b>IP input</b>	4	N/A
<b>IP SPTS output</b>	48 SPTS out with Null PKT, applicable for both CATV & IPTV	512 SPTS out without Null PKT, applicable for IPTV only
<b>IP MPTS output</b>	4	N/A
<b>ASI output</b>	4	N/A