

IRD Series

NDS397X/NDS399X HD IRD



Outline

NDS397X/NDS399X DVB-C (DVB-S / DVB-S2/ DMB-T/DVB-T/ ISDB-T / ATSC-T optional) HD IRD is Dexin's new design IRD with LCD video monitor equipped on the front panel. It can receive signals from tuner (DVB-S / DVB-S2/ DMB-T/DVB-T/ ISDB-T / ATSC-T optional), ASI and IP sources. After multiplexing and de-encryption with CAM module, it gives content out through ASI, IP as well as various video/audio interfaces. Its video/audio outputs support professional HD/SD-SDI, YPbPr, HDMI, stereo balanced audio, stereo unbalanced audio and S/PDIF digital audio and CVBS, which can greatly satisfy the professional users' needs. With the CAM slot (CI/CI+) support, The NDS397X/NDS399X can support one channel (Tuner, ASI or IP) de-scrambling and give transparent signal output. User can operate the device by using front panel LCD or NMS/SNMP software or Webpage-based NMS. Moreover, users can choose to have an optional ASI output which can pass through the encryption data source directly from tuner.

Features

- Support DVB-C/DVB-S/ DMB-T/DVB-T/DVB-S2/ISDB-T/ATSC-T RF Input
- Support LCD display for decoding video

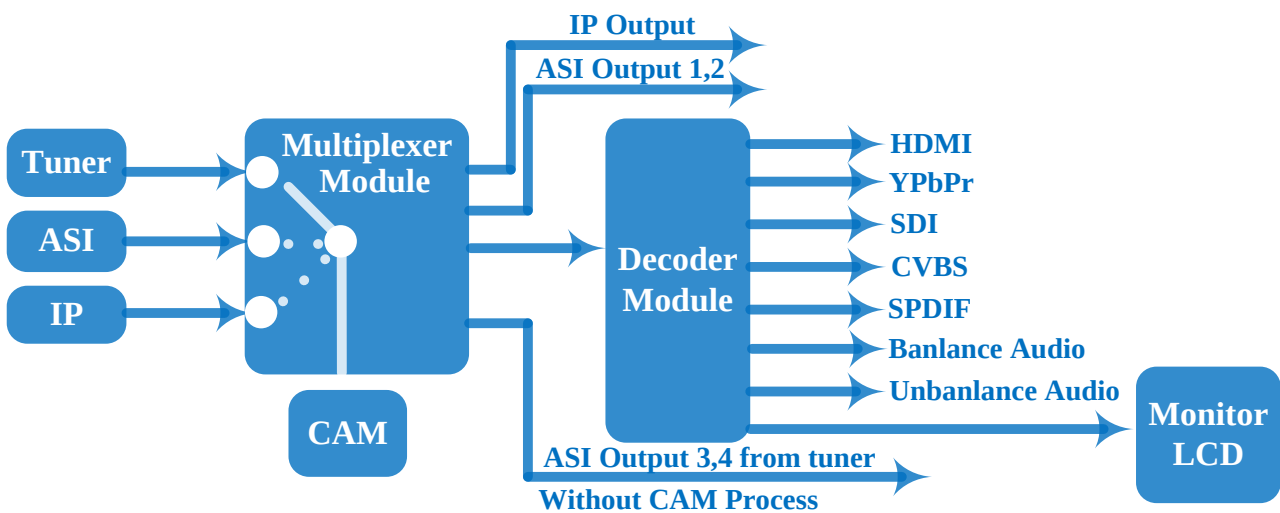
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- Various tuner standard available
- Support MPEG-2 & MPEG-4 video decoding
- Support AC3 pass through
- Re-multiplexer embedded
- Support Tuner, IP, ASI Input at the same time
- Support IP, ASI, Decoding output at the same time
- Support 8xSPTS/32xSPTS and 1 IP MPTS output
- Support CAM card insert (CI/CI+)
- Support CC (Closed Caption)
- Support Front Panel and NMS/SNMP network management and Web management

Principle Chart



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Specifications

Input Interface	Tuner	1 Tuner (DVB-C/DVB-S/ DMB-T/DVB-T/ DVB-S2/ ISDB-T/ATSC-T optional) DVB-C: 47 MHz~860 MHz, 16/32/64/128/256 QAM DVB-S: 950 MHz~2150 MHz, symbol rate: 2~45Mbauds DMB-T: 146MHz ~862 MHz, 6/7/8 M bandwidth DVB-T: 146MHz ~862 MHz, 6/7/8 M bandwidth DVB-S2: 950 MHz~2150 MHz, symbol rate: QPSK 1~45Mbauds, 8PSK 2~30Mbauds ISDB-T: 153 MHz ~862 MHz, 6/7/8M bandwidth ATSC-T: 54MHz~858MHz, 6M bandwidth	
	ASI	1 ASI IN(support 188/204 package format)	
	IP	1 IP(100M, RJ45 Port)	
Output	ASI Output	2 ASI output(after multiplexer)	
		2 ASI output(tuner input pass through)	
	IP output	1 MPTS output	
		8 SPTS output	NDS397x only
		32 SPTS output	NDS399x only
	Video Output	1xCVBS(BNC): 576i@25fps, 480i@29.97fps	
		1xYPbPr(BNC): 1080i@25, 29.97, 30fps; 720p@50, 59.94fps	
		1xHD/SD-SDI(BNC): 1080i@25, 29.97, 30fps; 720p@50, 59.94fps; 576i@25fps; 480i@29.97fps	
		1 x HDMI: 1080i@25, 29.97, 30fps; 720p@50, 59.94fps	

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	Audio Output	Stereo unbalanced audio: BNC interface Stereo balanced audio: XLR interface Digital audio: SPDIF
Video Decoding	MPEG-2, MPEG-4	
Audio Decoding	MPEG1 layer 2, AC3, HE-AAC(v2), LC-AAC	
NMS Port	Ethernet Port	10/100M
	Protocols	TS Over IP: UDP NMS: TCP/IP
System	Management: front panel (LCD + Keyboard); Network (NMS/SNMP); Web Management	
	English and Chinese interface conversion	
	Ethernet port for CPU/FPGA upgrade USB port for decoder upgrade	
	LCD Monitor for decoding video	
Miscellaneous	Dimensions	482mm*455mm*44.5mm (L×W×H)
	Approx weight	3.2kg
	Power	<20W(Max)
	Temperature	0~45℃(Operating), -20~80℃(Storage)

Order information:

NDS3971/ NDS3991 DVB-C HD IRD
NDS3972/ NDS3992 DVB-S HD IRD
NDS3973/ NDS3993 DMB-T HD IRD
NDS3974/ NDS3994 DVB-T HD IRD
NDS3975/ NDS3995 DVB-S2 HD IRD
NDS3976/ NDS3996 ISDB-T HD IRD
NDS3977/ NDS3997 ATSC HD IRD

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