

HD IRD Series



Outline

The DVB-C (DVB-S/ DMB-T/DVB-T/ DVB-S2/ ISDB-T/ATSC-T optional) HD IRD series are our new designed IRDs with video monitor LCD equipped on the front panel. It can receive TS signals from tuner (DVB-C/DVB-S/ DMB-T/DVB-T/ DVB-S2/ ISDB-T/ATSC-T optional), ASI and IP sources. After multiplexing and de-encryption with CAM module, then give it to ASI, IP as well as various interface video/audio output. 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. Moreover, users can choose to have an optional ASI output interface 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
RF demodulation range:

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- 1) DVB-C: 47 MHz~860 MHz, 16/32/64/128/256 QAM
- 2) DVB-S: 950 MHz~2150 MHz, symbol rate: 2~45Mbauds
- 3) DMB-T: 146MHz ~862 MHz, 6/7/8 M bandwidth
- 4) DVB-T: 146MHz ~862 MHz, 6/7/8 M bandwidth
- 5) DVB-S2: 950 MHz~2150 MHz, symbol rate: QPSK 1~45Mbauds, 8PSK 2~30Mbauds
- 6) ISDB-T: 153 MHz ~862 MHz, 6/7/8M bandwidth
- 7) ATSC-T: 54MHz~858MHz, 6M bandwidth

- Support LCD display for decoding video
- Various tuner available
- Support MPEG-2 & MPEG-4 video decoding
- Re-multiplexer embedded
- Support Tuner, IP, ASI Input at the same time
- Support IP, ASI, Decoding output at the same time
- Support CAM card insert (CI/CI+)
- Support Front Panel and NMS or SNMP network management
- Support 10xSPTS/32xSPTS and 1 IP MPTS output

Specifications

Input Interface	Tuner	1 tuner(DVB-C/DVB-S/ DMB-T/DVB-T/ DVB-S2/ ISDB-T/ATSC-T optional)
	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

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		10 SPTS output
	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
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	Support front panel and network management(NMS/SNMP)	
	English and Chinese interface conversion	
	Ethernet software upgrade	
	LCD display 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)

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Order information:

Module 1 DVB-C HD IRD

Module 2 DVB-S HD IRD

Module 3 DMB-T HD IRD

Module 4 DVB-T HD IRD

Module 5 DVB-S2 HD IRD

Module 6 ISDB-T HD IRD

Module 7 ATSC HD IRD