

## IDY-2300 IRD Multifunction Decoder



IDY-2300 IRD is a broadcast quality multifunction decoder, Provide MPEG2 and H.264 double decoding, various input interface, support RF input, IP input, ASI output. Provide special HD-SDI, SD-SDI digital audio, video and HDMI high definition multimedia interface and XLR balance audio, S/PDIF digital audio, IP, ASI etc.various output interface.

### Product Feature

- Input Interface: DVB-S/S2/C/T/T2, DMB-T, ISDB-T, ATSC-T, IP, ASI
- Out Interface: ASI, CVBS, YPbPr, HDMI, HD-SDI, SPDIF Digital Audio, TS/IP ect.
- HD-SDI/SD-SDI, Support Channel 7.1 Audio Channels, CC etc.
- Support AC3 Audio Transmisson
- Provide H.264(MPEG-4 Part 10), MPEG-2 Double Decoding, Support MP@HL and MP@ML
- Support Subtitle, Teletext, Close Caption
- 2 Channel Independent DVB\_CI Slot, Support Many Programs Decryption In Each Channel
- Biss\_1 and Biss\_E Decryption
- USB Interface Support Boot Upgrade Function
- The Web Network Mangement Base on B/S
- Support Dynamic Monitoring for Signal Output Intensity, SNR(Signal Noise Ratio), and warning for signal unlocking.
- Friendly user interface and convenient operation menu system.

### Product Advantage

- Rich configuration, can provide solutions for different operators.
- Double decoding can save a space for Client.
- AC3 audio transmission.
- DVB-S2 receive save satellite bandwidth
- Business Application.
- Digital TV front-end equipment.
- Digital TV interface transform, convenient all sorts of equipment between different interfaces.

- Video on demand(VOD), IPTV Broadcast monitoring etc.

### Specifications

<b>Transport Stream Interface</b>	DVB-S/S2 Input	Interface	F type 75Ω, Loop out F type 75 Ω
		Frequency	950 ~ 2150 MHz
		Level	-25 ~ -65 dbm
		Symbol Rate	1 ~ 45 Msps
		FEC	DVB-S QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
			DVB-S2 QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
			DVB-S2 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
		LNB Power	13V / 18V or Off, 22KHz or Off
	Constellation	QPSK, 8PSK	
	Roll	0.2, 0.25, 0.35	
	DVB-C Input	Interface	F type 75Ω, Loop out F type 75Ω
		Frequency	48 ~ 862 MHz
		Level	45 ~ 75 dbuV
		Modulation	16 / 32 / 64 / 128 / 256 QAM
	ATSC/ITU-T J.83B Input	Interface	F type 75Ω, Loop out F type 75Ω
		Frequency	43 ~ 1002 MHz
		Level	+10 ~ -84 dbm (ATSC 15 dB SNR)
		Modulation	VSB / 64 / 256 QAM
		Bandwidth	6 / 7 / 8 MHz
	DVB-T/T2 Input	Interface	F type 75Ω, Loop out F type 75Ω
		Frequency	44 ~ 1002 MHz
		Level	-20 ~ -100 dbm
		Modulation	DVB-T: QPSK, 16 / 64 QAM
			DVB-T2: QPSK, 16 / 64 / 256 QAM
		Bandwidth	6 / 7 / 8 MHz
		Carrier Mode	DVB-T: 2K / 8K
			DVB-T2: 1K / 2K / 4K / 8K / 16K / 32K
		Protective Interval	DVB-T: 1/4, 1/8, 1/16, 1/32
			DVB-T2: 1/4, 1/8, 1/16, 1/32, 1/64, 1/128
	FEC	DVB-T: 1/4, 1/8, 1/16, 1/32	
		DVB-T2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6	
	ASI Input/output	Input Interface	1 x BNC, 75Ω
Output Interface		2 x BNC, 75Ω	
Input Bitrate		≤ 72 Mb/s	
Output Bitrate		≤ 200 Mb/s	
IP Input/Output	Interface	1 x RJ-45, 10/100 Base-T	
	Effective Bitrate	>90 Mb/s (10/100 Base-T)	
	Frame	Adjustable (1 ~ 7)x 188 bytes	
	Protocol	UDP / RTP Unicast, Multicast	

<b>Audio/Video Output</b>	HDMI Output	Interface	1 x HDMI (Up to 1080 i)
		Resolution	1080i@50, 1080i@60, 1080i @59.94, 720p@60, 720p@59.94, 720p@50, 480p@60, 576p@50, 576i@50, 480i@599.94
		Audio	2 Channel stereo Audio
		Digital Video	MPEG-2 (MP@ ML for SD, MP@HL for HD), MPEG 4/H.264 AVC Part 10
		Digital Audio	MPEG-1 layer I/II, MPEG-2 layer II, MPEG-2 AAC, MPEG-4 AAC LC 2-CHANNEL/5.1 CHANNEL AC3
	HD/SD-SDI Output	Interface	1 x BNC, 75Ω
		SD-SDI Output	SMPTE 259M, 270 Mb/s (10bit)
		HD-SDI Output	SMPTE 292M, 1.485 Gbit/s (20bit)
		Audio	Support 7.1 Audio Channel
		Output Level	800 mVp-p
	Audio Output	Interface	1 x RCA (BNC), 1 x XLR
		Audio Mode	Left, Right, Dual Mono, Stereo
		Digital Video	AES / EBU (Optional)
	Analog Video Output	Component Video Interface	3 x BNC, 75Ω
		Video Interface	1 x BNC, 75Ω
		Output Level	I.O Vp -p ±5% (Standard text flow)
YPbPr Resolution		1080i、720p、480p、576p	
CVBS Format		PALBDGHI, PALN, NTSCM, PALN-C, NTSCM, NTSCM443, PALM, SECAM, NTSCMJ	
<b>Conditional Access</b>	DVB-C Interface	2 x PCMCIA slot	
	Decryption	Compatible with European DVB-CSA	
	DVB Descrambling	BISS-1、BISS -E	
<b>Data Output</b>	Subtitle	DVB / EBU	
	VBI Data	Teletext	
	Closed Caption 字幕	EIA 608, EIA 708, EIA 608-to-708	
<b>Managment</b>	Interface	1 x RJ-45, 10/100 Base-T	
	Local Control	HTTP Web	
	Upgrading	IP or USB	
<b>General</b>	Size	1RU / 482 x 252 x 44 mm	
	Weight	3 kg	
	Power	AC 90V-250V, 50/60Hz	
	Temperature	0℃ ~ 45℃	
	Humidity	10 ~ 90% (non-frozen)	