



DVB-S/S2 Receiving

Latency 100ms

Chroma Depth 4:2:0 4:2:2(10bit)

Introduction

Newly released professional IRD is housed in a space-efficient chassis and is able to receive various signals for decompressing.

IRD is perfectly suitable for different kinds of the network and professional applications requiring 4:2:2/4:2:0 decoding solution: broadcast fiber, cable, digital terrestrial, satellite and other distribution networks.

Competitiveness

- Providing your customers with the best performance of decoding and high quality
- Save your cost with various conversion
- Able to secure space with compact and light weight design
- Easy to set-up and control

Feature

- MPEG-2/MPEG-4 AVC (H.264) Decoding
- 4:2:0 and 4:2:2(10bit) Decoding
- Ultra low latency as 100ms
- IP, ASI and RF (DVB-S/S2, ATSC, QAM and DVB-T) inputs
- Composite, Component, HDMI and HD-SDI outputs
- NTSC and PAL video formats
- Aspect ratio conversion for SD (4:3, 16:9)
- Analog 4 stereo outputs
- 8 channel AES/EBU audio input
- Video Scaling (Up/Down/Cross)
- Control and monitoring via Web GUI and Front panel
- BISS descrambling (1 and E)

Options

- DVB-CI

Specification

RF Input

Input Channel	1CH
Impedance	75Ω
Module Option	DVB-S/S2, DVB-C(Annex A, B, C), ATSC

IP Stream Input

No. of Port	1 port
Connector	RJ-45
Format	100/1000BaseT
Max Input rate	188Mbps

ASI Input

DVB-ASI	2 x BNC
SMPTE310M	

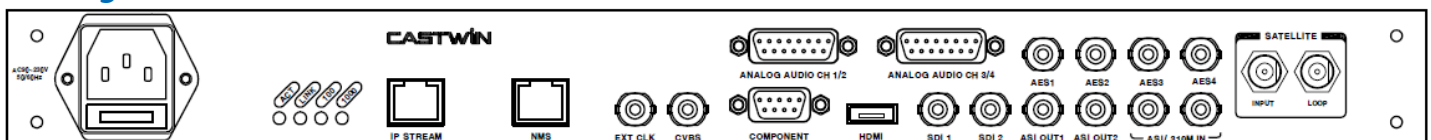
Video Decoding

MPEG-2 SD	Profile	MP@ML(4:2:0) / 422@ML(4:2:2)
	Max video rate	80 Mbps
	Video format	480i@29.97 fps/576i@25 fps
MPEG-2 HD	Profile	MP@HL(4:2:0) / 422@HL(4:2:2)
	Max video rate	80 Mbps
	Video format	1080i@29.97 fps/25 fps, 720p@59.94 fps/50 fps
H.264 SD	Profile	MP@L3(4:2:0) / 422HP@L3(4:2:2)
	Max video rate	80 Mbps
	Video format	480i@29.97 fps/576i@25 fps
H.264 HD	Profile	MP@L4 HP@L4 HP@L4.1(4:2:0) HIGH/HIGH10/HIGH422@4.1(4:2:2)
	Max video rate	80 Mbps
		50 Mbps CABAC, 85 Mbps CAVLC
	Video format	1080i@29.97 fps/25 fps, 720p@59.94 fps/50 fps
Chroma Format		4:2:0 / 4:2:2 (10bit)
Bit Rate Mode		CBR,VBR
Latency		100ms~

Audio Decoding

Audio Sampling rate	48kHz
MPEG-1 Layer 2	1.0/2.0 decode / pass-through
Dolby® Digital	Pro 2.0/5.1 decode / consumer 2.0 decode Plus 5.1/7.1 decode/5.1 decode &down-min to 2 2.0/5.1 pass-through//plus 5.1/7.1 pass-through E 2.0/5.1/7.1 pass-through
AAC Audio	AAC-LC 2.0/5.1 decode / HE-AAC v1 5.1 decode HE-AAC v2 2.0 decode AAC-LC 2.0/5.1 pass-through

Configuration



ASI Output

DVB-ASI	2 x BNC
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Video Output

Analog Output	Composite, Component
Digital Output	HDMI x 1, SDI x 2
Resolutions	480i29.97, 576i25, 720p50/59.94, 1080p25/29.97
SD Aspect Ratio	4:3, 16:9

Audio Output

Analog Output	4 balanced stereo pairs
Freq. Range	20Hz ~ 20KHz
Impedance	600 Ω
Digital Output	Embedded SDI/HDMI
Sampling Rate	48 KHz

IP Stream Output

Interface Type	10/100/1000 Base-T
Stream Protocols	UDP/IP, RTP/IP
Broadcasting	Multicast, Unicast

BISS Descrambling

BISS Descrambling	BISS 1 and E
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General

Power Requirements	AC 90~230V, 50/60Hz
Power Consumption	Max. 100W
Weight	4kg
Operating Temperature	-10~50°C
Dimension(W x H x D)	482 x 44 x 383 mm
Power Requirements	AC 90~230V, 50/60Hz

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