

# SD/HD Receiver/Decoder

DSR-180ASI-CC

# GEOSATpro



MSRP \$1995

## OVERVIEW

The DSR-180ASI-CC is a powerful and cost-effective broadcast level decoder. It supports DVB-S/S2 signal receiving and MPEG2/MPEG4 SD/HD program decoding with two audio channels. With a remote, web-based management interface, it is ideal to support advanced content distribution, real-time signal conversion and transmission for any headend system.

## ORDERING INFORMATION

Module	Feature
DSR-180ASI-CC	Decode MPEG2/4, HD&SD w/DVB-S2, ASI In and A/V, HDMI and SDI Out and 708CC support . BISS-1 and BISS-E

## SPECIFICATIONS

### DVB-S/S2 INPUT

Input	1 or 2 x RF (F-type) 75Ω
Constellation	QPSK, 8PSK
Symbol Rate	1~45 Msps
Input Frequency	950~2150 MHz
Max bitrate	150Mbps
Signal Level	-65~-25 dBm
LNB PS	DC 13/18V
22K Switch	on/off

### DVB-ASI

Interface	4 BNC, 75Ω (2 x ASI input, 2x ASI output)
Max Bitrate	100 Mbps
Packet Type	188/204 Bytes
Input Mode	byte and burst
Output Mode	byte and burst

### TS/IP

Interface	GbE level RJ45 Port
Speed	<1,000Mbps
Package Format	UDP and RTP (auto detection)
Traffic Types	Unicast: (ARP) Multicast: V2, V3 (optional)
FEC	ProMPEG CoP3v2
TCI/IP Protocol	IPv4, IPv6 (future option)

### VIDEO DECODING

Decoding Format	MPEG2 SD 4:2:0 MP@ML MPEG2 HD 4:2:0 MP@ML MPEG4 AVC SD MP@L3 MPEG4 AVC HD MP@L4.0/HP@4.0
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### AUDIO DECODING

Audio Format	MPEG1 Layer II Dolby Digital (AC-3) Dolby Digital Plus (E/AC-3) AAC (MPEG2, MPEG4/HE v1,2, MPEG4/LC)
Adjustable Volume Level	-63~0dB

## KEY FEATURES

- RF inputs support multiple standards of signal receiving including DVB-S/S2
- Supports ASI input and redundancy
- VBI subtitle insertion on analog video
- PSI/SI processing and regeneration
- Supports TS & EIT pass-through
- MPEG2 or MPEG4 HD/SD video decoding
- HDMI and A/V output
- SD/HD SDI output with 2 embedded audios
- 1 audio decoding through AES/EBU digital audio output, 2 pairs of balanced and unbalanced analog audio output
- GPI alarm and cue tone output
- 1 Ethernet 10/100Base-TX, RJ45
- Web-based user interface
- Front panel keypad and LCD
- SNMP supported for system integration

### INPUT

Video	H.264 (MPEG4 part 10) or MPEG2
Video Format	Up to 1080p30
Aspect Ratio	4:3, 16:9, auto
Audio	MPEG1 Layer I/II MPEG2 Layer II Dolby Digital(AC-3) (optional) AAC (optional)
Audio Mode	Stereo, Dual Mono, Single Mono

### OUTPUT

Interfaces	HDMI and SDI
Video	H.264(MPEG4 part 10) 4:2:0 MP@L4 MPEG2 4:2:0 MP@ML
Resolution	576i, 480i (BT.656) 1080i50, 1080i60, 1080i59.94, 1080p60, 720P50, 720P60, 720P59.94 (ASI passes 21060P60)
Audio	MPEG1 Layer-I/II AAC (optional)
Subtitle and Audio	Passthrough
Bitrate	MPEG2 video: 2.0~15Mbps(CBR & VBR) Audio: 64~384Kbps MPEG4 Video: 1.0~20Mbps(CBR & VBR) Audio: 64~384Kbps
Adjustable Volume	-63~0dBm

### PHYSICAL & ENVIRONMENT

Input Voltage	100 ~ 240 VAC
Power Consumption	Approx. 40W
Rack Space	1 RU
Dimensions (WxHxD)	19"x1.7"x17.3"
Operating Temperature	0° C to 50° C
Storage Temperature	-10° C to 70° C
Operating Humidity	<95%
MTBF	>150,000 hours

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