

SD/HD Receiver/Decoder

DSR-160SDI

GEOSATpro



MSRP \$1095

OVERVIEW

The DSR-160SDI 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-160SDI | Decode MPEG2/4, HD&SD w/DVB-S2 In and HDMI and SDI Out and 608CC support |

KEY FEATURES

- RF inputs support multiple standards of signal receiving including DVB-S/S2
- VBI subtitle insertion on analog video
- PSI/SI processing and regeneration
- Supports TS & EIT pass-through
- MPEG2 or MPEG4 HD/SD video decoding
- HDMI 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

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 |

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 |
|----------------------|---|

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 |

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 |
| 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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