

SD/HD Receiver/Decoder

DSR-160

GEOSATpro



MSRP \$495

OVERVIEW

The DSR-160 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-160	Decode MPEG2/4, HD&SD w/DVB-S2 In and A/V and HDMI 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 and Component output
- 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, Component, Composite
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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