

Avera/S+S2™

Professional, 1 RU, Affordable, DVB-S and DVB-S2 Receiver with SD and HD MPEG-2 and H.264 Decoder. Supports DVB-S, DVB-S2, and ASI In and HDMI, YPbPr, CVBS, SDI, and HD-SDI Out. Supports MPEG-1 Layer II Audio. Includes Web-based Management.



Features

- Inputs:
 - DVB-S
 - DVB-S2
 - DVB-ASI
- Outputs:
 - HDMI
 - YPbPr
 - CVBS
 - HD/SD-SDI
 - DVB-ASI
- Receives MPEG-4/H.264 or MPEG-2 transport streams
- Two common interfaces work simultaneously to support multi-channel decryption
- Compatible with Multi-decrypt CI Modules
- Program filtering support
- MPEG-1 Layer II audio encoding
- VBI teletext, EBU subtitle and DVB subtitle processing
- Supports PAL, NTSC and SECAM
- Supports CAM cards – SMiT brand recommended
- Network management and SNMP support
- Front panel controls
- DVB-T version also available

Applications

- H.264 or MPEG-2 Transport Stream Decoder
- Confidence monitoring of ASI equipment
- Content repurposing

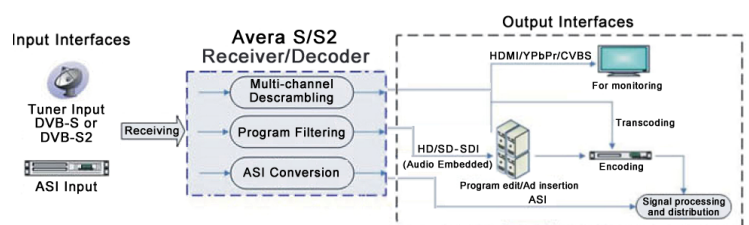
Overview

H.264, also called MPEG-4 Part 10, or MPEG-4 AVC, is the next generation codec that is optimized to deliver high quality digital video at significantly lower bit rates. It has the same video quality as MPEG-2, and uses less than 60% of the bandwidth for the same quality.

DVB-S and S2 are the modulation schemes used in the satellite industry. The Avera/S+S2™ is an affordable satellite receiver with many advanced features.

The Avera/S+S2 is our SD or HD MPEG-4/H.264 or MPEG-2 integrated receiver decoder for both high definition and standard definition video. It accepts DVB-S, DVB-S2 and DVB-ASI input. The output options include CVBS, YPbPr, AES/EBU digital audio, HDMI, DVB-ASI, and HD/SD-SDI, allowing the system to integrate with various applications. Controlled and monitored by remote web-based management and front panel controls, this user-friendly decoder is ideal for signal conversion and distribution.

Application Example



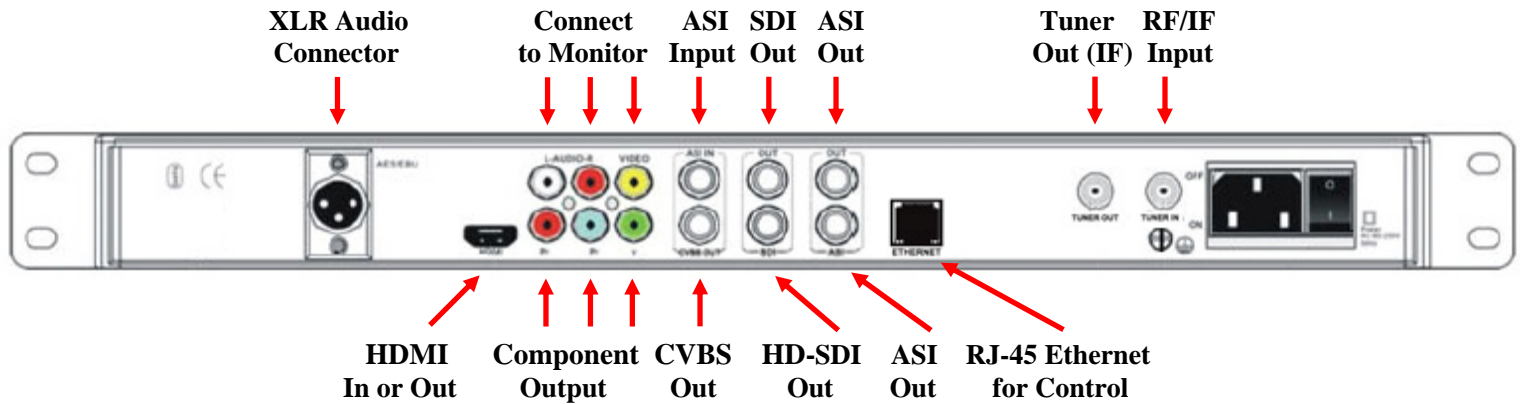
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Avera/S+S2™

Rear View



Specifications

DVB-S/S2 Inputs

Constellation:	QPSK, 8PSK
Symbol Rate:	1-45 Mbps
FEC:	All rations compliant with standard
Signal Level:	-65 ~ -25 dBm

DVB-ASI Input

Connector:	BNC 75 ohm
Packet Length:	188 and 204 byte packets
TS Max bitrate:	72 Mbps

Condition Access

Interface:	Two independent CI slots
CA Methods:	Multicrypt, Simulcrypt
CAS:	Conax, Irdeto, Viaccess, Nagravision, CTI, DV-crypt, etc.

Video/Audio Outputs

CVBS:	Two – 1 BNC, 1 RCA
Component:	One (YPbPr)
HDMI:	One – with HDCP, 720p and 1080i
HD/SD-SDI:	Two – with embedded digital audio
Audio:	One AES/EBU digital audio output

DVB-ASI Outputs (2)

Connector:	BNC 75 ohm
Packet Length:	188 byte packets
TS Max Bit Rate:	72 Mbps

Video and Audio Decoding

Video decoding formats:	MPEG-2 and H.264, SD and HD
Video formats:	480i, 480p, 576i, 720p, 1080i
Analog output:	PAL, NTSC, SECAM
Audio decoding:	2 stereo pairs audio decoding MPEG-1 and MPEG-2 Layer I and II

Control & Monitoring

Local:	Front panel operation – LCD display, Control keys
Remote:	Remote Web-based management via Ethernet (TCP/IP)

Physical & Power

Input Voltage:	AC 90V ~ 240V, 50/60 Hz
Power Consumption:	30W
Dimensions – 1 RU 19 inch rack:	19" (W) x 10.8" (D) x 1.7" (H) 484 (W) mm x 274 mm (D) x 44 mm
Weight:	8.14 lbs. (3.7 Kg.)
Conformities:	FCC, CE, RoHS

Ordering Info

Avera/S+S2

Also available: Avera/T

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