

< SpiderBox HD 9000 Feature >

- Supports MPEG-2, MPEG-4, H.264 and fully DVB compliant
- Satellite receiver
- 2 Slots common interface for Viaccess, Irdeto, Cryptoworks, Nagravision, Conax, Mediaguard and etc.
- 1 Slot smart card
- DiSEqC 1.0, 1.1, 1.2 and USALS
- Aspect ratio adjustment 4:3 (16/9 crop), 4:3 (16/9 letterbox), 16:9 (4/3 pillar box)
- User friendly OSD and operation
- Total 8,000 Channels Programmable
- Multi-language audio support
- Multi-language menu text support
- Favorite channel selections
- Parental Guide and rating control
- EPG(Provider Electronic Program Guide) for On Screen Channel Information
- On-Screen Display with 65,536 Color
- **Blind scan(Power Scan) & Powerful EPG**
- Zoom Function in Pause
- **Dolby Digital Bitstream Out through S/PDIF(Optical & Coaxal)**
- Seletable output for 1080i, 720P, 480P and 480i format
- **Multiple Video Outputs**
 "HDMI1.1, Component(YPhPr), Composite"
- **USB 2.0 Host (Access to HDD, USB memory, Others etc) : 2 Port**
- Upgrade Software & Update Channel Database through USB 2.0 Port and RS232
- MP3 File Play by USB 2.0
- **PVR Ready via USB**
- **Recorded file play on PC**
- **Reservation Recoding by EPG function**
- **Multimedia file play by USB 2.0**
- **Home streaming**



< SpiderBox HD 9000 Specifications >

1. Conditional Access Interface

- SMART CARD
1 Slot
ISO 7816, GSM11.11 and EMV (payment systems) compatibility
- PCMCIA
2 Slot
DVB Common Interface Standard
(Viaccess,Irdeto,Nagra Vision,Conax,Cryptoworks,Alphacrypt ...)

2. Tuner & Channel(DVB-S2)

- Type
1 × F Type, IEC169-24, Female
- Frequency Range
950MHz to 2150MHz
- RF Impedance
75 Ohm unbalanced
- Signal Level
-65 to -25 dBm
- LNB Power
13/18Vdc +/- 5%, 0.5Amax, Overload Protected
- 22KHz Tone
Frequency :224KHz +/- 2KHz, 0.6Vpp +/- 0.2V
- DiSEqC Control
Version1.0, 1.2, Tone burst A/B
- Demodulation
QPSK, 8PSK
- Input Symbol Rate
DVB-S QPSK : 1~45 Msps
DVB-S2 8PSK/QPSK : 10~30Msps
- FEC Decoder
1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 8/9, 9/10 in DVB-S2 mode.
1/2, 2/3, 3/4, 5/6 and 7/8 in DVB-S mode.

3. System & Memory

- Main Processor
STi7101
- Flash Memory
8 Mbytes
- System Memory
128 Mbytes
- A/V Memory
64 Mbytes
- Channel Capacity
Digital Channel: 8,000
- Front
7-Keys, 7-SEGMENT DISPLAY

4. MPEG Transport Stream & A/V Decoding

- Transport Stream
13818-1 MPEG-2, H.264/AVC Transport stream Specification
- Profile Level
MPEG-2 MP@ML, MP@HL, MPEG-4 H.264/AVC
- Input Rate
Max. 90Mbit/s
- Aspect Ratio
4:3, 16:9, Letter Box
- Frame Rate
25Hz for PAL, 30Hz for NTSC
- Video Resolution
576i, 576p, 720p, 1080i
- Teletext
Through VBI
- Audio Decoding
MPEG-1 Layer 1 & 2, Dolby Downmix
- Audio Mode
Single Channel/Dual Channel Joint Stereo/Stereo
- Frequency Response
20~20kHz, <+/-2dB
60Hz ~ 18kHz <+/- 0.5dB
- Sampling Rate
32, 44.1, 48KHz

5. A/V & Data In/Out

- HDMI
 - RCA Output
 - SPDIF
 - Data Interface
- HD Video/Audio Output
CVBS, L, R Output(Yellow, White, Red Jack) with Volume Control
Component Video(YPbPr) Out
Dolby Digital Bitstream Out(Coaxial, Optical)
- RS-232, Bit Rate: 115,200baud
Connector: 9-pin D-sub Male type
- USB : USB 2.0, Type A Connector, 2Port
- Ethernet : 10/100Mbps, DHCP Supporting, RJ-45

6. RF Modulator

- RF-Connector
75 ohm IEC 169-2, Male/Female
- Frequency
470MHz to 860MHz
- Output Channel
CH21 ~ 69
- TV Standard
PAL G/I/K Selectable by Menu Setting
- Audio Output
Mono with Volume Control
- Preset Channel
CH 38(or TBD). Software changeable by Menu Screen

7. Power Supply

- Input Voltage
AC 90V ~ 250V, 50Hz ~ 60Hz
- Power Consumption
Max 40W
- Protection
Separate Internal Fuse
The input shall the lightning protection

8. Physical Specification

- Size(WxHxD)
300mm x 65mm x 215mm
- Weight
1.5 KG

9. Environmental Condition

- Operating Temperature
0 °C ~ 40 °C
- Storage Temperature
-10 °C ~ 50 °C
- Operating Humidity Range
10~85% RH, Non-condensing
- Storage Humidity Range
5~90% RH, Non-condensing