

OPENSAT-100 with CA+CI+HDMI+RJ45+USB using Linux OS



MPEG4 HD DVB-S2 PVR receiver

MPEG4 HD DVB-S2 PVR model **OPENSAT-100HD**

- PVR
- HDMI
- ETHERNET PORT, can work with CCCAM, and sharing with dm box server
- MPEG4 H.264
- RS232 INTERFACE
- SCART AND RCA PORTS
- CA and CI (DM800HD without CI)

Advantages over other MPEG4 HD DVB-S2 receivers:

- 1/ BLIND SEARCH: DVB-S DVB-S2.
- 2/ AC3 Digital Sound: Digital sound through HDMI output
- 3/ Recording: Using an optional external Flash USB drive or HD, you can record your favorite shows and setup timer to do the same while you are out of the house.

Multilingual support on screen menu (OSD): English, French, Deutsch, Italian, Spanish, Portuguese, Turkish, Russian, Polish, Arabic selectable.

MAIN FEATURES

- 1/Receive Digital High Definition (HD) MPEG4 HD DVB-S2 and Standard Definition (SD) Satellite Signal
- 2/Supports DVB-S, DVB-S2, MPEG-2 & MPEG-4
- 3/Digital Video Recorder through USB (external flash or hard drive are not included)
- 4/The most affordable FTA HD receiver on the market today.
- 5/Worldwide compatible
- 6/Hardware Blind Search DVB-S and DVB-S2 (fast search less than 2 Minutes on most satellites)
- 7/Linux MIPS Operating System
- 8/HD DVB-S2 **SHARP** 7306 Tuner

General Specifications:

- ✓ 300 MHz MIPS Processor - Linux Operating System
- ✓ Fully compliant MPEG-4 H.264/AVC Main Profile Level 3 & High Profile Level 4.1;
- ✓ Fully compliant MPEG-2 MP@HL & MP@ML;
- ✓ Fully compliant MPEG-1 Layer I & II & III, Dolby Digital Audio(AC3);
- ✓ SCPC & MCPC receivable from C/Ku band satellites;
- ✓ multiple LNB-Switching control (supports DiSEqC1.0/1.1/unicable/1.2/1.3(USALS) supported)
- ✓ NIT search supported;
- ✓ Supports MHEG-5;
- ✓ Supports HDMI 1.3;
- ✓ Supports PVR(store in USB disk);
- ✓ Multimedia files playback(by USB);
- ✓ Support Electronic Program Guide(EPG) for 7 days;
- ✓ Teletext and subtitle out through OSD;
- ✓ Support multi-lingual DVB subtitle and teletext;
- ✓ Automatic and manual channel scan options;
- ✓ automatic service scan
- ✓ channel-change time < 1 second
- ✓ OSD in many languages and skin-support
- ✓ Multilingual support on screen menu (OSD): English, French, Deutsch, Italian,
- ✓ Spanish, Swedish, Danish, Greece, Portuguese, Finland, Holland, Turkish, Czech selectable;
- ✓ LED Display on front panel
- ✓ Multiple display mode: 1080i/720p/570p/576i/480p;
- ✓ MPEG-2 / H.264 Hardware decoding
- ✓ Videotext Decoder
- ✓ Analog audio output: stereo(L+R);
- ✓ Digital audio output: S/PDIF by coaxial and optical;
- ✓ S/PDIF Interface for digital bit stream out (AC-3)
- ✓ YCbCr available;
- ✓ 2 x Scart (RGB, FBAS or S-Video)
- ✓ Screen format: auto, 4:3, and 16:9;
- ✓ Upgrade software through USB2.0 port;

- Powerful program management function, parent lock;
- CA 1x slot and CI 1xslot
- 10/100Mbit Ethernet Interface
- directly bouquet-lists

Packing:

- Gift box:32.5*31.5*8.5CM
- 1x User Manual
- 1X S9 HD PVR satellite receiver
- 1X Remote Control

▪ **DVB-S2**

- Input Frequency:950~2150MHz
- Loop Out Frequency:950~2150MHz
- Input Level:-65~-25dBm
- Input Impedance:75 Ω
- LNB Power: Auto/14v/18v/OFF, I_{max} = 500mA

▪ **Video decoder**

- Video Compression MPEG-2 and MPEG-1 compatible, H.246
- Video Formats 4:3 / 16:9
- Letterbox for 4:3 TV-Device

▪ **Audio decoder**

- Audio Compression MPEG-1 & MPEG-2 Layer I and II, MP3
- Audio Mode Dual (main/sub), Stereo
- Frequency: 32 kHz, 44.1 kHz, 48 kHz, 16 kHz, 22.05 kHz, 24 kHz

▪ **Output digital**

- Output Level 0, 5 V_{ss} on 75 Ohm
- Sampled Data Filtering 32 kHz, 44.1 kHz, 48 kHz
- S/PDIF-Output optical, Toslink

▪ **Video parameter**

- Input Level FBAS 1 V_{ss} +/- 0.3 dB on 75 Ohm
- Teletext filter in conformity with ETS 300 472 Standard

▪ **TV-Scart**

- Output: FBAS, RGB, S-Video
- Serielle Interface RS 232
- Typ RS232 bidirectional
- Bit rate 115, 2 kBit/s max.
- Plug Connector SUB-D-9
- Function: Update of Firmware

▪ **Ethernet**

- 10/100 MBit compatible interface
- Function: Update of Firmware

▪ **USB**

- 1 x USB 2.0 Host , PVR
- LNB power and polarisation per tuner

- LNB Current 500mA max.; short-circuit-protected
- LNB Voltage vertical < 14V no load, > 11, 5V at 400mA
- LNB Voltage horizontal < 20V no load, > 17, 3V at 400mA
- Count of active satellite position
- DiSEqC 1.0/1.1/unicable/1.2 SAT POSITION / SAT OPTION
- DiSEqC - Rotor Control
- External PSU
- Input:110-240V AC / 50-60Hz / 0, 6A
- Output: 12V = / 3, 0A
- **Physical specification**
- Ambient Temperature +15 °C...+35 °C
- Humidity < 80%
- Size (W x D x H): 300 mm x 220 mm x 56 mm
- Weight: 1, 8 kg without HDD
- **Power**
- AC input range:100-240VAC 50/60Hz
- PowerConsumption (Standby): Max. 10W (<1 W)