



# SF 1008 HD - INTELLIGENCE

High Definition Digital Satellite Receiver

H.264 / MPEG4 - HD,SD / DVB-S2 Tuner / Time Shifting with USB 2.0 Devices

Powerful compatibility through Embedded Linux OS / Recording & Playback with External USB 2.0 Devices



[www.octagon-germany.de](http://www.octagon-germany.de)



## Main Features

- \* Digital Satellite receiver & PVR Ready
- \* H.264 / MPEG4 - HD,SD / DVB-S2 Tuner
- \* Powerful compatibility through Embedded Linux OS
- \* Recording & Playback with External USB 2.0 Devices
- \* Recording and Time Shifting Simultaneously
- \* Recording and Playback Simultaneously
- \* Event Recording by EPG
- \* 1 conax card reader and 2 CI common interface slot
- \* Unicable support
- \* Fastscan support
- \* USB 2.0 Host Support (MP3 Player & JPEG Viewer)
- \* Ethernet port
- \* HDMI Video & Audio Output
- \* PIP(Picture-in-Picture) & Multi-picture(\*)
- \* Blind scan
- \* Multi-LNB Controlled by DiSEqC Control Version 1.0, 1.1, 1.2 and USALS
- \* Multi-Satellite Search
- \* Support EPG (Electronic Program Guide)
- \* On-Screen Display with Full Color & Resolution
- \* Favorite Service Groups
- \* Powerful Service Control by Favorites, Lock, Skip, Move and Delete
- \* Service Sorting by Alphabet, Transponder and CAS
- \* Multi-language Supported ( OSD & Menu )
- \* Teletext Support
- \* Maximum 10,000 Services Programmable
- \* Parental Lock / System Lock / Installation Lock
- \* CVBS Video & Audio Output via RCA
- \* Optical Output for Digital Audio(SPDIF)
- \* 1W Stand-by Power Consumption

## \* Tuner & Channel Decoder (Satellite)

<b>Input Connector</b>	F-type, IEC 169-24, Female
<b>Loop through out</b>	F-type, IEC 169-24, Female
<b>Frequency Range</b>	950MHz ~ 2150MHz
<b>Input Impedance</b>	75Ω, unbalanced
<b>Signal Level</b>	-65 to -25dBm
<b>LNB Power</b>	13/18VDC, max.400mA
<b>22KHz Tone</b>	(22±2)KHz, (0.6±0.2)V
<b>DiSEqC Control</b>	V1.0/1.2/USALS Compatible
<b>Demodulation</b>	QPSK / 8PSK
<b>Input Symbol Rate</b>	1 ~ 45 Ms/s(QPSK of DVB-S) 1 ~ 45 Ms/s(QPSK of DVB-S2)
<b>FEC Decoder</b>	1/2, 2/3, 3/4, 5/6 and 7/8 with Constraint Length K=7(DVB-S) 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9 and 9/10 (DVB-S2)

## \* MPEG Transport Stream A/V Decoding

<b>Transport Stream</b>	H.264(MPEG-4 part 10, MPEG-4/AVC and H26L) MPEG-II ISO/IEC 13818-2/11172-2
<b>Profile Level</b>	MPEG-4/AVC MP@L4, MPEG-II MP@HL
<b>Input Rate</b>	Max. 15Mbit/s
<b>Video Formats</b>	4:3 Letter Box, 4:3 PanScan, 16 : 9
<b>Video Resolution</b>	720 x 576i, 720 x 576p, 720 x 480i, 720 x 480p 1280 x 720p, 1920 x 1080i
<b>Audio Decoding</b>	Dolby Digital, MPEG-1 Layer 1,2 and 3
<b>Audio Mode</b>	Stereo/Joint stereo/Mono, Dolby Digital bitstream
<b>Sampling Rate</b>	32KHz, 44.1KHz and 48KHz(According to input)

## \* Main System

<b>Main Processor</b>	STi chipset
<b>Memory</b>	Flash-ROM : 32 Mbyte SDRAM : 192 MBytes EEPROM : 128 bytes

## \* Audio / Video & Data IN/OUT

<b>RCA Component</b>	CVBS Video Output, Audio L, R Output YPbPr Video Output
<b>HDMI</b>	Video & Audio Output
<b>OPTIC</b>	Dolby Digital (SPDIF)
<b>RS-232C</b>	9 pin D-SUB (Male) type, Transfer rate 115Kbps
<b>USB</b>	USB 2.0 Host Support. (5 Vdc 500 mA max.)
<b>Ethernet</b>	RJ45 connector, 100 Mbps

## \* Front Panel

<b>Slot</b>	2 Common interface PCMCIA slot 1 Smart Card Slot
<b>Display</b>	VFD(Vacuum Fluorescent Display) - 8Digit
<b>Buttons</b>	3 Buttons (Standby, CH UP/DOWN)
<b>Indicators</b>	1 LEDs(Standby)

## \* Power Supply

<b>Input Voltage</b>	AC 100 ~ 250V, 50/60Hz
<b>Type</b>	SMPS
<b>Power Consumption</b>	Max. 30W
<b>Protection</b>	Separate Internal Fuse & Lighting protection

## \* Physical Specification

<b>Size (W x H x D)</b>	300mm X 60mm X 230mm
<b>Weight (Net)</b>	1.6 Kg
<b>Operating Temp.</b>	0°C ~ +45°C
<b>Storage Temp.</b>	-10°C ~ +70°C

