SUNNISKY 2008DCR Bi-Directional H.264 Digital Cable TV HD Receiver
(Bi-Directional H.264 DVB-C CA HD STB)

Based on Internet return transmission, SUNNISKY 2008DCR Bi-Directional H.264 Digital Cable TV HD Receiver (Bi-Directional DVB-C CA STB) embedded encrypted channels, could receive the SD/HD digital TV signals from Cable or MUDS (Multipoint UHF-channel Distribution System) TV network with high performance and high sensitiveness.

By aids of the high reliable design for its hardware and software, besides SUNNISKY 2008DCR will restore truly the SD/HD digital TV signal to the Video/Audio signal with sharp, clear, high quality picture and Hi-Fi stereo sound effect, and present perfect and true color image, because of having built-in IP or Cable Modem module, it also could provide a variety of interactive services such as TVOD, internet surfing, etc. via Cable TV network.

Feature

- Fully complies with DVB-C and MPEG-2 MPEG4, ML@MP,HL@MP, H.264 & VC‑1 decoder standards
- High performance SoC chipset
- Support SDTV and HDTV
- 1 Smart Card Reader and Slot (comply with ISO-7816) (Optional)
- Ultra low threshold full frequency band tuner (passive)
- Embedded different browser
- Support OTA function with Loader for remote upgrade (Optional)
- Provide Ethernet port for data return
- Support VOD and other interactive applications(Optional)
- Provide different video output interface (Composite AV, HDMI, YPbPr)
- Automatic, manual and network scan/search
- NIT table search
- Signal strength and quality display
- EPG (Electronic Program Guide) function (Optional)
- PAL/NTSC auto identification
- Support for English, Chinese, etc., multi-linguistic menu
- VBI Teletext function support (Optional)
- Subtitle function support (Optional)
- The volume is adjustable, also setup independently and stored the values of every program volume
- OSD Color 24-bit
- The second stereo radio available
- Dolby AC3 decoding output (Optional)
- Automatically restored after power failure
- LED display and user friendly control
- Software upgrading via RS-232 port

Specification

Memory	
CPU Frequency	266MHz
ROM	128MByte
FLASH	8MByte
EEPROM	8KByte
Channel Decoding	
Complies with	DVB-C EN300 429&MPEG2
De-multiplexing	ISO/IEC13818-1
Demodulation	QAM 16/32/64/128/256

Symbol rate	3.0~7Msps
FEC	1/2, 2/3, 3/4, 5/6, 7/8; K=7
C/N (Carrier to Noise ratio)	<28dB@64QAM，6.952Msps; <34dB@256QAM，6.952Msps
Bit Error Ratio (BER)	<1X 10^{-11} (64QAM, SR: 6.952Mbps, input RF level 70dBµV)
RF Input	
Input frequency	48~860MHz
Input level	40~80dBµV
Input impedance	75Ω
Bandwidth	8MHz
Reflect loss	>8dB
Video	
Compression type	MPEG-2 MP@ML, MPEG-4, H.264 MP@L4.1,VC-1
C/L Delay	≤30ns
Output system	NTSC / PAL
Video Resolution	MPEG2 PAL 720*576; NTSC 720*480;1280*720;1920*1080
Aspect ratio	4:3 or16:9
Video S/N Ratio	≥56dB
Video output	3x RCA (Left, Right, Video); 3 x RCA (YPbPr) ;HDMI
Audio	
Audio decoding standard	ISO/IEC13818-3, MPEG 1/2 Layer 1&II
Audio response	±2dB（20Hz~20KHz）
Total Harmonic Distortion (THD)	≤1%（20Hz~20KHz）
Difference of Left & Right track Level	≤0.5dB（20Hz~20KHz）
Crosstalk of Left & Right track	≤-60dB（20Hz~20KHz）
Audio S/N Ratio	≥70dB（20Hz~20KHz）
Audio output modes	Single/Stereo Channel, Dual Mono
Sampling rate	32, 44.1, 48KHz
Other interface	
RS-232	9 pin D-sub Type, Baud rate 9600~115200Kbps
Internet/Ethernet	One RJ45, 10/100M BASE-T, Complies with IEEE 802.3 protocol
SPDIF (Optional)	
S/P DIF digital audio output	Fiber-optic
General	
Power supply	AC 110V~240V, 50Hz±5%,<10W
Dimension	350mm*250mm*40mm
Weight	2.5Kg

Note: All specifications are subject to change without notice.