

# VIPER4K

H.265 4K Digital Satellite & T2 Terrestrial/Cable Receiver  
with E2 OS



LINUX  
EMBEDDED



DC 12V



## MAIN FEATURES

- DVB-S2X & DVB-C / T2 combo (2x tuner)
- Hisilicon Hi3798MV200 Huawei
- H.265
- E2 Operating System - Linux Embedded
- Quad Core 64Bit (4x 1.6GHz) 15000 DMIPS
- Flash 8GB eMMC
- RAM 1GB DDR4
- MicroSD slot
- Fast and Easy Installation with the Installation Wizard
- Card reader
- 3D Ready (3D compliant Enigma 2 image installed is required)
- One High Speed USB2.0 and one USB3.0 connections
- Multimedia Playback (MKV, AVI, MPG, MP4, TS, WMA, MP3 and more...)
- TimeShifting - Stop live television (Hard drive required)
- Internet Streaming TV and Radio support\*
- Gigabit LAN Ethernet (1000Mbps) and WiFi built in, 300Mbit\*
- Easily expandable with addons and plugins
- Live Streaming through network\*
- Remote Management through HTTP\* / Telnet / SSH / FTP...
- Media Playback and Recording via local network\*
- External USB DVD drive support\*
- Electronic Program Guide (EPG)
- Multi-Satellite Controlled with DiSEqC1.0, 1.1, 1.2 and USALS
- Automatic DiSEqC detection
- High Resolution Graphic User Interface (GUI)
- 4-digit 7-segment display
- Customizable appearance with Skins
- Multi-Language - Audio / Teletext / Subtitle - support
- Easy Software Upgrades through the Internet / USB
- HDMI 2.0 Connection
- Dolby Digital Bit-Stream out via Optical S/PDIF and HDMI
- DC 12V Power Supply

\*compliant E2 image is required

# VIPER4K



## Technical specifications

### System Resource

Main Processor: Hisilicon Hi3798MV200 Huawei  
 DDR SDRAM: RAM 1GB DDR4  
 Flash Memory: Flash 8GB eMMC

### Video Decoding

Decode: MPEG-2: MP@ML MPEG-4:ASP@L5  
 H.265/AVC:MP@L3.2 VC-1:AP@L1  
 2160p/1080p/1080i/720p/576p/  
 480p/576i/480i  
 Resolution: 1080p/1080i/720p/576p/480p/576i/480i  
 Video Standard: PAL/NTSC  
 Data Rate: Up to 15Mbits/s  
 Display Format: 4:3,16:9

### Audio Decoding

Decoding: MPEG-1 Layer I & II, MPEG-2 Layer  
 I & II, MPEG-2 Digital(AC-3), HE-AAC  
 Type: Stereo Right Mono, Left Mono  
 Sampling Rate: 32K, 44.1K, 48K or 192KHz

### Tuner & demodulator:

Tuner Type: DVB-C / T2: Altobeam ATBM7821  
 Frequency Range: 48~862MHz  
 RF Input Level: -80dBm to -20dBm  
 Antenna power output: DC 5V at max 75mA, Overload  
 protection  
 Demodulation: COFDM 1K, 2K, 4K, 8K normal and  
 extended, 16K normal and extended,  
 2K normal and extended  
 Input Symbol Rate: 1.0 ~ 7.0Ms/s  
 Constellations: QPSK, 16QAM, 64QAM, 256QAM /  
 Both rotated and non-rotated  
 Guard Intervals: 1/4, 19/256, 1/8, 19/128, 1/16, 1/32,  
 1/128  
 Code Rate: 1/2, 3/5, 2/3, 3/4, 5/6

### Tuner Type:

DVB-S2X: Silabs  
 Si2166-D60 & RDA5815m  
 75 ohm  
 Frequency Range: 950MHz-2150MHz  
 Input Signal Level: -79dBm— -11dBm

### LNB Power & Polarization

Vertical: 13V, Horizontal: 18V  
 Max 400mA  
 LNB Switch Control: 22KHz  
 DiSEqC: Version 1.0&1.2 Compatible  
 Front End: QPSK/8PSK

### Data Interface

USB Port: 1 x USB 2.0 + 1 X USB 3.0  
 CVBS&Audio: 3,5 mm Jack  
 Digital Audio (SPDIF): 1xOptical Fiber(Optical)  
 Digital HD: 1xHDMI

### Power Supply

Input Voltage: 100-240V~  
 Frequency: 50/60Hz  
 Power Consumption: Max 15W

### Remote Control

Battery: 2x1.5V AAA  
 Operating Distance: UP To 8M

### General Data

Size (LxDxH): 220mm x 125mm x 40mm  
 Net Weight: 1.2Kg  
 Operating Temp: 0°C to +45°C  
 Operating Humidity: 20%-80%  
 Display: 4-digit 7-segment

Features and specifications may be subjects to change without notice.