

# AMIKO®

## STHD-8820 CICXE PVR

FULL HD DIGITAL SATELLITE & TERRESTRIAL RECEIVER · CONAX EMBEDDED WITH COMMON INTERFACE

# HD8820

## SATELLITE & TERRESTRIAL RECEIVER



**MULTIMEDIA  
PLAYBACK**



# COMBO

### MAIN FEATURES:

- MPEG-Fully DVB-S / DVB-S2 HD compliant
- MPEG-Fully DVB-T compliant
- 1 Conax embedded card reader
- 1 Common Interface slot
- Channel recording to external storage devices
- Channel Recording and Timeshifting simultaneously
- RSS Reader & Weather Forecast functions\*
- Ethernet connection
- 2 High Speed USB ports
- **USB WiFi Dongle support**
- **Multimedia playback (MKV, AVI, MPG, MP4, TS, VOB, MOV, MP3, JPEG)**
- High Definition Graphic User's Interface
- Alphanumeric VFD Display
- Dolby Digital Bitstream out via S/PDIF
- Full HD (1080p) output via HDMI
- Software Upgrade support via Network\*, USB & RS232
- <1W power consumption in stand-by mode
- Fully RoHS compliant

### TECHNICAL SPECIFICATIONS:

#### Tuner & Demodulation

Tuner Type: DVB-S / DVB-S2  
Input Connector: F-type, Connector, Female  
Loop Through: F-type, Connector, Female  
Signal Level: -65 to -25 dBm  
LNB Power & Polarization: Vertical: +13V/+14V,  
Horizontal: +18V/+19V  
Current: Max. 500mA  
Overload Protection  
22KHz Tone Frequency: 22±1KHz  
DiSEqC Control: Version 1.0, 1.1, 1.2, USALS  
Demodulation: QPSK, 8PSK  
Input Symbol Rate: 2-45 Mbps,  
FEC: 1/2, 2/3, 3/4, 5/6, 7/8 and Auto

Tuner Type: DVB-T  
Input Frequency: 170-230MHz CH5-CH12, 470-860MHz CH21-CH69  
RF Input Level: -70dBm to -8dBm  
Antenna power output: 5V/50mA max  
Demodulation: COFDM 2K/8K  
Number of carriers: 1705/6817  
Constellation: QPSK, 16QAM, 64QAM  
Guard Interval: 1/4, 1/8, 1/16, 1/32  
FEC Decoder: 1/4, 2/3, 3/4, 5/6, 7/8, k=7

#### MPEG TS A/V Decoding

Transport Stream: MPEG-2, MPEG-4 (H.264)  
Input Rate: Max. 120Mbit/s  
Aspect Ratio: 4:3, 16:9, Letter Box  
Video Decoding: MPEG-2, MP@ML, MPEG-4 part 10/H264  
Video Resolution: 720\*480P/I, 720\*576P/I, 1280\*720p, 1920\*1080i  
Audio Decoding: MPEG-1 layer I/II, MPEG2 layerII, Dolby digital  
Audio Mode: Left / Right / Stereo / Mono  
Sampling Rate: 32, 44.1 and 48KHz

#### System Resources

Main Processor: 396MHz based CPU  
Flash Memory: 32Mbits  
DDR RAM: 1024Mbits

#### Power Supply

Input Voltage: Free Voltage (100-250V AC 50/60Hz)  
Power Consumption: 30W Max  
Stand-By Power Consumption: <1W

#### A/V & Data Input/Output

TV-SCART: Video CVBS/RGB output,  
Audio L/R output  
RCA A/V: Video CVBS output,  
Audio L/R output  
S/PDIF: Optical, Digital Audio or Dolby Digital Bit Stream Output  
RS-232C: Transfer rate 115.2Kbps,  
9 pin D-sub Type  
USB: One USB 2.0 slot  
HDMI: VER1.2, Type A  
Ethernet: 10/100M RJ45

#### Physical Specifications

Size(W\*H\*D): 300mm\*64mm\*231mm  
Net Weight: 2.5KG  
Operation Temperature: 0°C~+45°C  
Storage Temperature: -10°C~+70°C  
Storage Humidity: 5%~95% RH (Non-Condensing)



**Full HD  
1080**



RSS READER



weather  
forecast

2x  
CERTIFIED  
HI-SPEED  
USB

WiFi™

\* Ethernet or WiFi connection required