



Features

- Fully DVB-S / DVB-T / MPEG -2 compliant.
- Digital Reception covers VHF & UHF band.
- Hardware blind search supported(No need frequency and symbol rate).
- RGB output supported.
- USB2.0 interface. (optional)
- Support MP3,JPG image and photo display.(optional)
- USB PVR function support. (optional)
- 5000 channels memory space.
- SCPC & MCPC receivable from C/Ku band satellites.
- 256-color on screen display (OSD).
- Video outputs support for all NTSC, PAL B/G,I,D/K,N, M, SECAM worldwide standards, and Macrovision copy protection supported.
- DiSEqC 1.0/1.1/1.2/1.3(USALS) supported.
- Multi-language OSD (English, German, Italian, Spanish, French, Turkish, Arabic, Persian, Greek, Portuguese, Russian, Polish etc.).
- Multi-language audio and subtitle reception.
- 7 days Electronic Program Guide (EPG) supported.
- Teletext and close caption output through VBI and OSD.
- RF modulator for TV standard (PAL B/G/D/I/K/N/M, NTSC,

- SECAM)(optional).
- Dolby digital encoded bit-stream output via S/PDIF port.
- Picture In Graphics (PIG) supported.
- NIT search supported.
- Automatic search & blind-search(HW) for satellites and transponders.
- Upgrade software from PC to receiver, or from receiver to receiver through RS-232 port.
- Timer function supported.
- 4:3, 16:9 aspect ratio support through pan/scan or letter-boxing.
- Games included.
- Picture In Picture (4, 6, 9, 16 PIP available) function.
- Easy-Installation Menu.
- The OTA (Over-To-Air) upgrade supported.(optional)
- Conax CAS7.0 embedded.

Specification

TUNER-S

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

TUNER-T

Input Frequency: 174-860MHz(UHF & VHF)
Bandwidth: 6 or 7 or 8 MHz
Input Level: -72 -20 dBm
Input Impedance: 75

Amplifier Power supply: Auto, I_{max}=100mA

CHANNEL DECODING

Waveform: QPSK/COFDM

Roll Off Factor: 0.35

FEC: 1/2, 2/3, 3/4, 5/6, 7/8, Automatic

Reed Solomon: 204, 188, t = 8

Symbol Rate: 1.0~45 MS/s

Mode: 2K, 8K

Guard: 1/4, 1/8, 1/16, 1/32

DEMULTIPLEXER

Standard: ISO/IEC 13818-1

Input Max. Bit Stream Rate: 60Mbps(Serial)/7.5MBps(Parallel)

VIDEO DECODING

Standard: ISO/IEC 13818-2, MPEG-2 MP@ML

Aspect Ratio: 4:3, 16:9

Video Resolution: Max. 720x480 @30fps NTSC & 720x576 @25fps PAL

AUDIO DECODING

Standard: ISO/IEC 13818-3

Audio Channel: Mono, Dual-channel, Stereo, and Joint Stereo

Sampling rates: 16, 22.05, 24, 32, 44.1, 48kHz

PROCESSOR AND MEMORY

CPU: CX24303

Clock Frequency: 150MHz

Flash Memory: 2M bytes

SDRAM Memory: 16M bytes

AV OUTPUT

Video De-emphasis: CCIR REC.405-1, 625LINES

Video Bandwidth: 5.5MHz

Video Output Impedance: 75

Video Output Level: 1.0Vp-p

Audio Output: Mono, Left/Right Stereo

Audio Output Frequency: 20Hz~ 20KHz

Audio Output Impedance: Low

FRONT PANEL

LED Display: 4-digit LED to indicate channel number and status

Keys: Power, OK, Ch-, Ch+, Vol-, Vol+, Menu

IR Receiver: 38KHz

Smart card reader: 1

USB 2.0 Interface: 1

REAR PANEL

RF Input 1: F-type,connector

Loop Through Output 1: F-type,connector

RF Input 2: IEC-type IEC169-2 Female

Loop Through Output 2: IEC-type IEC169-24 Male

RCA Output: 4RCA(1 Left Audio,1 Right Audio,1 Video, 0/12V)

RS232 Serial Port:DB-9 Male, 115.2Kbp

Scart:1TV or 2(VCR,TV) or none

R F Modulator: CH21-69

Digital Audio Output: S/PDIF (Fiber-optical) (optional)

RCU

Category: IR(Carrier 38KHz)

Battery: 2x1.5V AAA

POWER

Input Voltage: AC100~240V 10%, 50/60Hz

Power Consumption: 30Wmax

AMBIENT

Operation Temperature: 0~40°C

Size: 290mm(W) x 230mm(D) x 65mm(H)

Weight: 1.5Kgs

