

CDVB5110D

Irdeto CA Embedded Digital Satellite Receiver



Description

CDVB5110D is a high performance and cost-effective digital satellite receiver for operators with Irdeto CA systems. You will have access to all digital free-to-air and pay-tv channels of your own choice. The friendly on-screen display makes everything really easy, and fast. The over-the-air upgrade supported will keep the viewers always updated with the new functions and service available. The clear picture and digital sound effect will definitely take viewers like you to a higher level of enjoyment.

Features

1. Powerful single chip
2. Fully DVB-S/MPEG2 compliant
3. Irdeto CA support
4. Mail and message support
5. Pairing support
6. Supporting Finger Print Display
7. Support EFM(Enhance Forced Messages)
8. Support FTA Block function with smart card sectors
9. Support regionalization function
10. NIT search support
11. Universal LNB support
12. DiSEqC1.0/DiSEqC1.1 /DiSEqC1.2 protocols support
13. Electronic Program Guide(EPG) support
14. Program parameters memorization when power-off
15. Multi-language OSD and friendly user interface
16. Teletext output with VBI
17. Closed Caption function.for American Market
18. Support more than 64 satellites
19. Support classifying BAT services
20. Support auto updating service information(Add /Delete /Update service & PMT update) for specific network
21. Aspect ratio 4:3 and 16:9
22. More than 2000 channels memory capability
23. Software upgrade via RS232 or OTA
24. S/P DIF digital audio output

Specification

TUNER

Input Frequency:950 ~ 2150MHz
Loop Out Frequency: 950 ~ 2150 MHz
Input Level:-65 ~ -25 dBm
Input Impedance:75 Ω
LNB Power:14V/18V/OFF, I_{max} = 400mA

CHANNEL DECODING

Standard:DVB-S EN300 421
Demodulation:QPSK
FEC:1/2, 2/3, 3/4, 5/6, 7/8
Reed Solomon:204, 188, t = 8
Symbol Rate:2.0 ~ 45 MS/s

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 Format:PAL/NTSC
Video Resolution:720x576 (PAL), 720x480 (NTSC)
Teletext :Through VBI format
Closed Caption:Through VBI format

AUDIO DECODING

Standard:ISO/IEC 13818-3
Decoding:MPEG-1 Layer I and II, MPEG-2
Output Mode:Dual channel, Stereo
Sampling Frequency:32, 44.1, 48KHz
Volume Level:24 Levels

MEMORY

Flash Memory:2MB
Program SDRAM:8MB
Decoding SDRAM:4MB
Channel Space:Up to 2000

RCU

Category:IR(Carrier 38KHz)
Battery:2x1.5V AAA

SMART CARD

Standard:ISO 7816

AV OUTPUT

Video De-emphasis:CCIR REC.405-1, 625LINES
Video Bandwidth:5.5MHz
Video Output Impedance:75 Ω
Video Output Level:1.0Vp-p
Audio Output:Stereo
Audio Output Frequency:20Hz~ 20KHz
Audio Output Impedance:Low
Audio Output Level:1.0Vrms ± 2dB into 10K Ω

FRONT PANEL

LED Display:4-digit LED to indicate channel number and status
Keys:CH+,CH-,Vol+,Vol-,MENU,OK,POWER
Smart Card slot:1
IR Receiver:38KHz

REAR PANEL

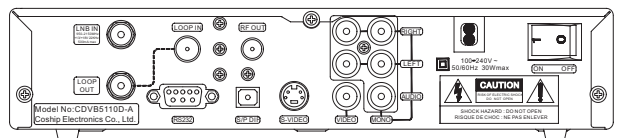
RF Input:F-type, Female
Loop Through Output:F-type, Female
RCA Output:6RCA (2 Left Audio, 2 Right Audio, Video, Mono)
Y/C Output:S-VIDEO
RF Modulator:CH21-69,CH25 or CH3/CH4(Optional)
RS232 Serial Port:DB-9 Female, 115200bps
Digital Audio Output:S/P DIF Fiber-Optical

POWER

Input Voltage:AC100 ~ 240V, 50/60Hz
Power Consumption:30 Wmax

AMBIENT

Operation Temperature:0~40°C
Size:260mm(W) x 201mm(D) x 52mm(H)
Weight:1.6Kg



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