

CDVB2300A

FTA Digital Satellite Receiver



Description

Incorporating the highly integrated single chip, CDVB2300A is a cost-effective and high performance digital satellite receiver. CDVB2300A provides FTA (Free-To-Air) channels with user-friendly OSD (On Screen Display) and stores up to 5000 channels with fast inter-channel switching capability, which undoubtedly makes it an ideal choice for viewers like you to enjoy the digital life. High performance digital audio is also available through S/PDIF.

Features

1. Fully DVB-S / MPEG -2 compliant
2. 5000 channels memory space
3. 200 favorite channels
4. SCPC & MCPC receivable from C/Ku band satellites
5. 256 colors on screen display (OSD)
6. PAL-NTSC auto-conversion system
7. DiSEqC 1.0/1.1/1.2 and USALS
8. Multi-language OSD (English, German, Italian, Spanish, French, Turkish, Arabic, Persian, Greek, Portuguese, Russian, Czech, Indonesian, Polish)
9. Multi-language audio and subtitle reception
10. Electronic program guide (EPG)
11. Teletext output through VBI and OSD
12. RF modulator for TV standard (PAL B/G/D/I/K, NTSC)(optional).
13. TWO SCARTS sockets (optional)
14. Digital Audio Output S/P DIF
15. Picture in graphics (PIG) supported
16. NIT search supported
17. Automatic search for transponders and channels
18. Easy and fast software upgrade through RS-232 port between the receivers
19. Timer function supported
20. OTA (optional)

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

Waveform: QPSK
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: 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 Resolution: Max. 720x576

AUDIO DECODING

Standard: ISO/IEC 13818-3
Audio Channel: Mono, Dual-channel, Stereo
Sampling Frequency: 32, 44.1, 48KHz

MEMORY

Flash Memory: 2M bytes
SDRAM Memory: 8M bytes

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: Mono, Left/Right Stereo
Audio Output Frequency: 20Hz~ 20KHz
Audio Output Impedance: Low
Audio Output Level: 0 \pm 6dBu

FRONT PANEL

LED Display: 4-digit LED to indicate channel number and status
Keys: Up, Down, Left, Right, Menu, OK, Power
IR Receiver: 38KHz

REAR PANEL

RF Input: F-type, connector
Loop Through Output: F-type, connector
RCA Output: 4RCA(1 Left Audio, 1 Right Audio, 1 Video, 0/12V)
RS232 Serial Port: DB-9 Female, 11.52Kbps
SCART: 2(VCR, TV)
Digital Audio Output: S/P DIF Fiber-optical

RCU

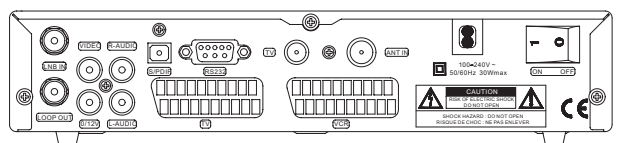
Category: IR(Carrier 38KHz)
Battery: 2x1.5V AAA

POWER

Input Voltage: AC100~240V \pm 10%, 50/60Hz
Power Consumption: 30Wmax

AMBIENT

Operation Temperature: 0~40 $^{\circ}$ C
Size: 260mm(W) x 201mm(D) x 52mm(H)
Weight: 1.5Kg



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