
Technical Specification for Cost Effective DVB-S2x STB mABR

April 15, 2023

Comvision

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1. Technical Specification

I. General

1. Product Model

Model Number	CDG1200
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2. Main Features

Model	DVB-S2x HD Digital Receiver
Main Chipset	Montage Symphony 4
CAS	N/A

II. Software Features

1 General Software Features

DiSEqC	DiSEqC 1.0 / 1.1 / 1.2 / Tone burst A/B supported
Video	Automatic PAL/NTSC conversion
Advertisement	Support logo picture
Added Service	Channel editor/Favorite editor/Parental control/Sorting/NIT scan
True Color OSD	16bit Full colors On Screen Display
Multi language	Various language Menu supported
Channel Edit	Channel editing function (favorite, MOVE, delete and parental lock)
Easy Menu	Best appearance and user-friendly interface
PVR	Support PVR
Software Upgrade	USB or OTA
mABR	Quadrille Push VoD and mABR
CMS	EasyBroadcast CMS
Video Data	Support GSE
Streaming	Internal WiFi and Ethernet to support 3 mobile Devices

III. Hardware Features

1. Front panel



Front LED	Red, Green
Key	4 Keys (CH+/-, VOL+/-, POWER, MENU)

2. Rear panel.



LNB IN	IEC 169-24, F-Type, Female ; 5VDC, max 200mA
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USB	1 USB 2.0 (Side)
HDMI	19 PIN Female HDMI 1.3
RCA	Video,AduioL-R
Ethernet	10/100Mbps
Internal WiFi	801.11 a/b/g 2.4GHz Access Point / Client
SP/DIF	Optional

3. RCU



Type	Standard Manufacturer's RCU
Battery	2 x 1.5V AAA

4. STB Mechanical

Chassis	Plastic Case
Dimension	115mm X 65mm X 23mm (W X D X H)

5. Accessories

Battery	2 x 1.5V AAA
User manual	Color cover/black white Print Manual

IV. Electric Performance

1. SoC & Memory

CPU Frequency	4500DMIPS
Nand Memory	256MB
DDR Memory	512MB

2. Tuner

Tuner Type	DVB-S2x
Frequency Range	950~2150MHz
Input Impedance	75Ω

3. Channel Decoder

Demod standard	DVB-S2x
Demodulation	8PSK, QPSK, NBC-QPSK, NBC-8PSK
FEC Decoder	1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 6/7, 7/8, 8/9,9/10

4. Video Decode

Video Decode	ISO/IEC 13818-2 MPEG-2 MP@ML, ISO/IEC 14496-2 MPEG-4SP, ITU-T H.264
Aspect Ratio	16:9 / 4:3 / Auto
Video Resolution	1080p/1080i/720p/576p/576i/480p/480i

5. Audio Decode

Audio Decode	MPEG1, MPEG2 ISO/IEC LAYER I&II, MP3, AAC-LC, WMA
Sampling Frequency	32KHz, 44.1KHz, 48KHz

6. Operation

Input	DC5V/0.8A
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Consumption	< 6W
Temperature	-5°C ~ 45°C
Humidity	<95%

7. 75cm Dish

Part Number	COM-75CM-KU
Type	KU Band - Offset
KU Band gain	35 dBi (min)
Frequency	10.7 – 12.75 GHz
Max Operation Wind Speed	144KM/HR
Relative humidity	0% - 100%
Ambient Temperature	-40°C to +60°C

8. Universal LNB

Part Number	CM-LNB-UNI-05
Input Freq. Range	950 – 1700 MHz
KU Band gain	50 dB(min.) 62dB (max.)
Output Spurious	- 60dBm
Input DC Voltage Range	10.5V – 13V
Power Consumption	300mA max. @ 13V (Typ.)
Operating Temperature	-30°C to +60°C

9. Storage

Part Number	64GB USB Memory (Optional)
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