

## Front panel & Rear panel



(Front side)



Rear side with DVB-S2



Rear side with DVB-T



Without Tuner

## Features

- **MPEG-4 AVC/H.264 HP@L4 Video Decoder**
- **MPEG-2 MP@HL Video Decoder**
- **LINUX OS**(some parts under the terms of GPL, accordingly expandable)
- **DVB compliant ,Plug and playable DVB-S2 tuner with Blind Scan, DVB-T, and Without Tuner module supported** (factory option)
- **IPTV function** supported as **RTP, UDP, HTTP protocol**(The channels can be received using an internet downloading speed of 2 Mbps at least, which is the most common internet connections can handle)
- **Dolby digital decoder** or **HC-AAC** supported
- **MP3 player, internet radio**
- **Photo Album** ( BMP, JPG, but JPG file needs HDD storage for decompression)
- **Weather forecast** for 5 days
- **RSS news**
- **XVID player**
- **Web Interface** for remote control via internet
- **HDMI with HDCP** supported
- **Multi-format Audio Decoder**
- **High Definition and Standard Definition**
- **Format resolution:** 1080i, 720p, 576i
- **USB 2.0(Host)** for external USB PVR, WiFi,USB memory stick, USB multi-port Hub supported
- **Ethernet and USB WiFi** supported at the same time such as **ZyDAS zd1211 family, and Ralink rt2870 family**
- **Multi-point function of Mount Manager** supports to access to various media storages in one or many PCs.
- **Streaming player** supported using **RTP, UDP** with **multicast** or **unicast** in home, that is, Watching Two live channel at the same time, one for TV, another for PC with VLC player
- **Watching DVD contents** via network using VLC player in PC
- **Software update** via internet or **USB memory stick**
- **CVBS and audio L,R** via **Stereo socket**
- **SCPC and MCPC** receivable from C/Ku-band satellites
- **Channel list editing**
- **Favorite channel list editing**
- **True-color On-Screen Display (OSD)**
- **Full Picture In Graphic (PIG) function**
- **Electronic Program Guide (EPG)** for on screen channel information
- **DVB Subtitle & VBI Subtitle and Teletext** supported
- **Parental lock** facility by channel and program event
- **White color and Black color** supported
- **Detachable leg**



### Specifications

Part	Type	Specifications	
CPU	Type	266MHz ST40-202 32bit RISC CPU	
	Data/Instruction Cache	32KB/16KB	
Satellite 8PSK Tuner(DVB-S2)	Input Connector	IEC 169-24 Female(F-type)	
	Input Signal Level	-65 to -25dBm	
	Frequency Range	950MHz to 2150MHz	
	LNB Control	Vertical	13V(400mA Max)
		Horizontal	18V(400mA Max)
	Waveform	QPSK, 8PSK(C/KU band compatible)	
	22KHz Tone	Frequency	22±4KHz
		Amplitude	0.6±0.2V
	Symbol Rate	QPSK( up to 45MS/s), DVB-S2 :QPSK(up to 36MS/S), 8PSK(up to 30MS/s)	
	DiSEqC Control	Version 1.0/1.1/1.2/USALS Compatible	
Terrestrial OFDM Tuner	Input Connector	IEC169-2 female	
	Loop through Connector	IEC169-2 male	
	Frequency Range	50MHz to 870MHz	
	Loop through Out Impedance	75 ohms nominal	
	Band Width	7/8 MHz	
	Carrier Mode	2k & 8k hierachical/non-hierachical mode	
	Constellation	Auto(QPSK, 16/64 QAM)	
	Mode Rate	Auto(1/2, 2/3, 3/4, 5/6 and 7/8)	
	Guard Interval	Auto(1/4, 1/8, 1/16 and 1/32)	
Cable QAM Tuner	Input Connector	IEC169-2 female	
	Loop through Connector	IEC169-2 male	
	Frequency Range	47MHz to 862MHz	
		75 ohms nominal	
	IF Bandwidth	8MHz	
	QAM mode	16, 32, 64,128,256QAM	
	Symbol rate	0.87Mbaud~7Mbaud Max.	
MPEG Transport Stream & A/V Decoding	Input Stream	ISO/IEC 13818-2,, H.264	
	Profile & Level	MPEG-2 MP@ML, MP@HL, MPEG4 AP@HL/H.264 level 4.1	
	Input TS Data Rate	138Mbit/S max.	
	Aspect Ratio	4:3, 16:9 with Pillar box or Letter Box	
	Video Resolution	720 x 576(PAL), 1080i, 720P, 576i	
	Audio Decoding	MPEG-1 Audio Layer 1,2, Musicam	
	Audio Mode	Stereo, Dual Channel, Joint Stereo, Mono	
	Sample Rate	32, 44.1, and 48KHz	



Memory	Flash Memory	32MB
	DDR SDRAM	192MB (64MB+128MB)
Storage & Rear connector	HDD	External USB HDD
	Digital interface for HDTV	HDMI with HDCP
	CVBS & Audio R/L Out	Stereo jack
Data In/Out	USB Host Interface	USB A-Type Female (USB 2.0)
Network	Ethernet	RJ-45( 100BT )
	<b>IPTV Protocol</b>	<b>UDP, RTP, HTTP</b>
Power Supply	Input Voltage	External DC power supply
	Power Consumption	15W
Physical Specification	Size (W x H x D)	52 x 154 x 132mm
	Weight	1 Kg
Environment	Operating Temperature	5 ~ 55°C
	Storage Temperature	-40°C ~ +65°C

\*Specifications and functions may be changed for improvement without notice in advance.

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- **MP3 Audio** : MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.
- **DVB-T** : licensed with MPEG LA and ETSI
- **DVB** : licensed with ETSI