

# Tiviar

Discover your smart life!



**Stylish icon menu**  
Smart access to your favorite menu

## $\alpha^+$ Full HD Triple-tuner Hybrid Smart STB

Less Heat & Less Noise  
Less Vibration than 3.5" HDD  
**2.5 inch HDD**

**TRIPLE Tuner**  
2 x DVB-S2 + Single DVB-C/T Combo

Web Application (Online TV, Web Browsing, Weather forecast, and more)  
Simultaneously Recording of 3 Services and Watch 2 others(PIP)

- Twin DVB-S2 and One DVB-T/C Compliant
- Recording & Playback with internal SATA, external eSATA and USB 2.0 Devices
- Event Recording by EPG
- 4X USB 2.0 Host ports (MP3 Player & JPEG Viewer)
- 10/100/1000 Base Tx Ethernet port
- Support Internal 2.5 inch HDD (Optional)
- Blind scan
- Multi-LNB Controlled by DiSEqC Control Version 1.0, 1.1, 1.2 and USALS
- Multi-Satellite Search
- User friendly stylish icon menu
- Dual HD PIP(Picture in Picture)



Available on the **App Store** **ANDROID APP ON Google play**

### Smart & Handy TV controller App

**Air TiVi+**  
Smart portable mobile TV Solution

**FREETV**  
STB Client for IP-Hybrid Solution

**HbbTV**

**Torrent Player**

**CI+**

**Linux**  
EMBEDDED

**UNICABLE**

## ► SPECIFICATION

### Tuner & Channel Decoder (Satellite, Twin DVB-S2)

<b>Input Connector</b>	F-type, IEC 169-24, Female
<b>Loop through out</b>	F-type, IEC 169-24, Female
<b>Frequency Range</b>	950MHz ~ 2150MHz
<b>Input Impedance</b>	75Ω, unbalanced
<b>Signal Level</b>	-65 to -25dBm
<b>LNB Power</b>	13/18VDC, max.400mA
<b>22KHz Tone</b>	(22±2)KHz, (0.6±0.2)V
<b>DISEqC Control</b>	V1.0/1.2/USALS Compatible
<b>Demodulation</b>	QPSK / 8PSK
<b>Input Symbol Rate</b>	2 ~ 45 Ms/s(DVB-S2) 2 ~ 30 Ms/s(8PSK Turbo)
<b>FEC Decoder</b>	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (QPSK of DVB-S2) 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK of DVB-S2)

### Changeable 3rd Tuner & Channel Decoder (Cable, DVB-C)

<b>Input Connector</b>	IEC-DIN female
<b>Loop through out</b>	IEC-DIN male
<b>Frequency Range</b>	50 MHz ~ 1 GHz
<b>Input Impedance</b>	75Ω, unbalanced
<b>Modulation Format</b>	16, 32, 64, 128, 256 QAM(for Annex A/C) 64, 256 QAM(for Annex B)
<b>I/F Bandwidth</b>	8 MHz(-3dB) typ(for Annex A/C) 6 MHz(-3dB) typ(for Annex B)
<b>Symbol Rate</b>	1 Msps ~ 7 Msps(for Annex A/C) 5.057 Msps(for 64QAM, Annex B) 5.361 Msps(for 256QAM, Annex B)

### MPEG Transport Stream A/V Decoding

<b>Transport Stream</b>	H.264(MPEG-4 part 10), MPEG-4 part2, AVC and MPEG-2 MPEG-4 Part 10 ISO/IEC 14496-10, MPEG-2 ISO/IEC 13818-2
<b>Profile Level</b>	H.264/AVC Main and High profile @L4.2, MPEG-2 MP @HL, VC-1 Advanced profile @ L3
<b>Input Rate</b>	Max. 125Mbit/s
<b>Video Formats</b>	4:3 Letter Box, 4:3 PanScan, 16 : 9
<b>Video Resolution</b>	720 x 576i, 720 x 576p, 720 x 480i, 720 x 480p 1280 x 720p, 1920 x 1080i, 1920 x 1080p
<b>Audio Decoding</b>	Dolby Digital, Dolby Digital Plus, MPEG-1 Layer 1,2 and 3(MP3)
<b>Audio Mode</b>	Stereo/Mono, Dolby digital and MPEG audio
<b>Sampling Rate</b>	16KHz, 32KHz, 44.1KHz and 48KHz(According to input)

### Main System

<b>Main Processor</b>	MIPS core with 1.3GHz
<b>Memory</b>	Flash-ROM : 512 Mbyte (4Gb) SDRAM : 1Gbyte (DDR3) EEPROM : 256 Byte

### Audio / Video & Data IN/OUT

<b>TV SCART</b>	RGB, CVBS Video, Audio L,R Output
<b>RCA</b>	CVBS Video Output, Audio L/R Output YPbPr Component Video Output (up to 1080p)
<b>HDMI</b>	Video & Audio Output
<b>OPTIC</b>	AC3 Dolby Digital (SPDIF)
<b>RS-232C</b>	9-pin D-SUB (Male) type, Transfer rate 115Kbps
<b>USB</b>	USB 2.0 Host Support (1 Front & 3 Rear)
<b>ETHERNET</b>	10/100/1000M Base-TX RJ45 Port
<b>e-SATA</b>	External SATA HDD Support

### Front Panel

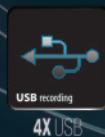
<b>Slot</b>	1 USB 2.0 Host Slot 2 Common Interface PCMCIA Slot 2 Smart Card Slot
<b>Display</b>	VFD (Vacuum Fluorescent Display) - 12 Digital
<b>Buttons</b>	3 Buttons(Standby, CH UP/DOWN)

### Power Supply

<b>Input Voltage</b>	AC 100 ~ 250V, 50/60Hz
<b>Type</b>	SMPS
<b>Power Consumption</b>	Max. 65W
<b>Standby Power</b>	Max. 1W
<b>Protection</b>	Separate Internal Fuse & Lighting protection

### Physical Specification

<b>Size (W x H x D)</b>	340mm X 60mm X 250mm
<b>Weight (Net)</b>	2.0 Kg
<b>Operating Temp.</b>	0°C ~ +45°C
<b>Storage Temp.</b>	-10°C ~ +70°C



► 340mm X 60mm X 250mm