

## Freesat GTC (Android+DVB-S2/T2/Cable/ISDBT)

### I. Highlight:

- 1, Android 6.0 TV BOX+DVB-S/S2,DVB+T/T2/Cable/ISDBT.
- 2, XBMC Addons pre-installed.(KODI15.2)
- 3, 4K/3D/H.265/MPEG-4 movies supported.
- 4, Amlogic S905D 2GBRAM +16GBROM
- 5, Built-in Wifi 2.4G+BT4.0, 802.1.1b/g/n
6. Netflix,Skype chatting,Picasa,Youtube,Flicker,Facebook,Online movies,etc.
- 7, Technical support website : [www.freesat.cn](http://www.freesat.cn)

**Note: We reserve the right to change the design and OEM/ODM supported**

### II. Picture & Packaging



|                   |   |                 |             |
|-------------------|---|-----------------|-------------|
| Product Size (mm) | 124*119*36 (L*W*H)  | Packaging       | 20pcs/ctn   |
| Gift Box size(mm) | 188*152*85  | Carton size(mm) | 435*385*315 |
| Accessories       | Gift Box, Adapter, IR remote control, HDMI Cable, User Manual |                 |             |

### III. Hardware:

|              |  |
|--------------|--|
| CPU          | <b>Amlogic S905D up to 2.0 GHz, Quad core ARM Cortex-A53</b> |
| GPU          | Penta-core ARM Mali-450 , up to 750MHz+(DVFS)                |
| Flash Memory | eMMC Flash 16G   |

|               |   |
|---------------|---|
| DDR3 Memory   | 2GB DDRIII  |
| 3D Graphics   | OpenGL ES 1.1/2.0 and Open VG 1.1 support   |
| Video Decode  | UHD 4K 60fps HW decoding, supports multiple formats including H.265 10-bit, H.264 and AVS+FHD 1080p 60fps HW encoding, supports H.264 |
| Audio Decode  | MPEG1 layer I, MPEG1 layer II, MPEG1 layer III, MPEG2 AAC, MPEG4 HE-AAC,EAC-3,Dolby+  |
| Panel display | 4-digit LED display   |
| LED Indicator | Power ON :Green; Standby :Red   |
| Button        | NOT   |
| Wifi          | Built in 2.4G &5G WiFi Support IEEE 802.11 b/g/n/ac   |
| Bluetooth     | Bluetooth 4.0   |
| IR            | Exit IR for 38KHz,Infra Remote control  |
| Rear Panel    | RF IN ( EC-type IEC169-2 Female)  |
|               | LNB IN (Frequency Range950MHz to 2150MHz)   |
|               | HDMI 2.0 (V1.3/V1.4)  |
|               | 2*USB HOST  |
|               | 1*TF CARD   |
|               | 1*SPDIF   |
|               | 1*RJ45  |
|               | Power (DC 12V/1.5A)   |

#### IV. Tuner specifications:

|        |   |
|--------|---|
| DVB-S2 | DVB-S2 system standard:ETS 302 307  |
|        | Symbol Rates: QPSK,8PSK   |
|        | Forward error correction rate 1/4, 1/3,2/5,3/5,2/3,3/4,4/5,5/6,8/9,9/10   |
|        | Carrier frequency acquisition range: $\pm 5$ MHz for symbol rates above 3 Msps and $\pm 3$ MHz for the remaining symbol rates |
|        | Roll-off factors for pulse shaping: 0.2, 0.25 and 0.35  |
|        | Symbol Rates: 1- 55 Msps  |
|        | Code Rates: 1/2, 2/3, 3/4, 5/6, 7/8   |
|        | Input Signal level: -84 dBm to 0 dBm (average power)  |
|        | ANT. Connector:IEC TYPE F   |
| DVB-T2 | DVB-T2 system standard:ETSI EN 302 755  |
|        | Support MPLP  |
|        | Demodulation: QPSK,16QAM,64QAM or 256QAM  |
|        | Forward error correction rate 1/2,2/3,3/4,3/5,5/6   |
|        | Guard interval :1/4,19/256,1/8,19/128,1/16,1/32,1/128   |
|        | Bandwith: 6/7/8MHz  |
|        | Input Frange range:54--860MHz Input Impedance:75 $\Omega$   |
|        | Input Signal level: -84 dBm to 0 dBm (average power)  |
|        | ANT. Connector:IEC TYPE, female   |

|                                 |  |
|---------------------------------|--|
| DVB-C                           | IEC 169-24 female 75Ω for input  |
|                                 | Demodulation: 16QAM,32QAM,64QAM,128QAM,256QAM                                  |
|                                 | Input Frange range:50--860MHz Input Impedance:75 Ω                             |
|                                 | Input Signal level: -84 dBm to 0 dBm (average power)                           |
|                                 | ANT. Connector:IEC TYPE, female  |
| ISDBT                           | ISDB-T broadcast (1, 3, 13 segment),MPEG-2/MPEG-4 AVC/H.264 HD/SD Video , DivX |
|                                 | FFT Mode: 2K/ 8K/32K   |
|                                 | Demodulation: QPSK / 16QAM / 64QAM/QPSK or DQPSK                               |
|                                 | Forward error correction rate 1/ 2, 2/3, 3/4, 5/6, 7/8 Automatic               |
|                                 | Guard interval : 1/4,1/8,1/16,1/32   |
|                                 | Bandwith: 6/7/8MHz   |
|                                 | Input Frange range:VHF:177.143~213.143 MHz:UHF 473.143~803.143MHz              |
|                                 | Input Signal level: -83 dBm to 0 dBm (average power)                           |
| ANT. Connector:IEC TYPE, female |  |

#### IV. Software Features:

|                 |  |
|-----------------|--|
| Standard        | Fully comply with DVB-S/S2 (SCPC and MCPC receivable from C/Ku band satellite), DVB-T/T2/Cable/ISDBT, MPEG-2/4 H.264 Standard  |
| switch protocol | DiSEqC1.0/1.1/1.2/USALS Motor fully support, 13/18V DC @ 400mA MAX,Overload Protection, 0/22K  |
| Channels Number | 10000 channels TV and Radio programmable   |
| Favorites       | 8 different favorite groups selection  |
| OSD Language    | OSD Multi-language for options(Arabic, Catalan, Czech, Dansk, Deutsch, Eapanol,English,Euskar,Farsi,French,Finnish,Galego,Greek,Hrvatska,Italian,Magyar,Nederlands,Polska,Spanish,Slovakian ,Svenska,Portuguese,Russian,Ukrainian,Turkish,Thai and etc.) |
| EPG             | Fully support to 7 days Electronic Program Guide(EPG)  |
| OSD Color       | 256 color/16bit On Screen Display  |
| Picture         | JPEG,BMP,PNG,GIF Supported   |
| Channel Search  | Supports NIT Search ,Automatic network search for newly added transponders   |
| Channel Edit    | Various channel editing function(favorite,move,lock,skip,delete,rename,find,sort)  |
| Parental Ctrl   | Parental control for channels  |
| Easy Menu       | Plug and Play installation, with an easy to use Menu System  |
| PAL/NTSC        | Automatic PAL/NTSC conversion  |
| SoftUpgrade     | Software upgrades through USB port, Support OTA and HTTP/FTP upgrade.  |
| Channel         | Recording one channel, can view another channel under the same TP,Various channel editing function(favorite,move,lock,skip,delete,rename,find,sort)  |
| Subtitle        | support DVB EN300743 and EBU   |
| Teletext        | support DVB ETS300472 by VBI and OSD   |
| Time Set        | Time set by GMT offset automatic and manual,Summer Time support  |
| Timer           | 5 event timers,off/Once/Daily/Weekly Mode  |

|             |   |
|-------------|---|
| USB 2.0     | Support FAT/FAT32/NTFS big capacity hard disk   |
| PVR Option  | USB 2.0 for PVR, TIMESHIFT, media files playback                                      |
| Media Codec | TS/MPG/MKV/AVI/ASF/FLV/MP4/WMA/WMV/VOB/MOV/DAT/SRT/SUB/BMP/JPG/JPEG/GIF/PNG/M4A files |
| Audio Codec | WMA,MP3,AAC (.wma,.mp3,m4a)   |
| Photo Codec | JPEG, BMP, PNG  |













