

GIEC

SET TOP BOX

en.giec.cn

2019

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About GIEC

GIEC has been a leading company in consumer electronics products since 1999. The major products include Set Top Box (DVB,IPTV,OTT), Tablet/Laptop,AI Speakers, WiFi/Bluetooth Speakers, Soundbar, LED lights and Smart home products.

As a first-class electronics enterprise in China and as business is intensely increased, GIEC has finished setting up its own modern industrial park, covering over 138,000 square meters. The new industrial park is already in operation and it is located in Pingdi ,Longgang, Shenzhen, which is a low carbon city. The new industrial park will be complied with the principles of low carbon. It runs strictly under regulations of ISO 9001 and ISO 14001 standard and in correspondence with ROHS, CE, UL, FCC, FDA, GS and so on. We can always guarantee the reliable quality with competitive price.

Nowadays GIEC has reached over 1.6 million-unit monthly capacity.

Staffed over 400 experienced proficient engineers in R & D team, GIEC has the capability to supply a total solution from ID design to final product and after service. Also GIEC always attach great importance to adopt latest technology and constantly bring up the most up-to-date products to entertain our valued customers worldwide. Meanwhile, as a well-known brand in domestic market, GIEC has established effective sales networks with 110 agents and 10,000 authorized dealers in the main cities.

Your satisfaction is our final target, we aim to work on mutual benefit for long term with you.

• GIEC Industrial Park

GIEC Set Top Box Advantage

Product Innovation

The value of technological innovation, based on practice and application GIEC keeps foothold in the frontier of technology for world market, continuously launches product to meet the market demand, and get environmental concepts into product design, from a scientific design to technique innovation, in full compliance with the EU ROHS environmental protection standard, balances the development in economic, social and environmental benefits.



Giec Supply High Quality Hardware Products, Our Hardware Has The Main Testing As Below:

Stability Test

7*24 Hours Severe Test
with high bitrate Steam
High temperature load test
Low temperature load test
Drop and vibration test
High voltage test
Power adaptation test
Electrostatic test



New System(MES+ERP+GIEC Testing system)

Through the 3 in 1 system, we can control sales order, purchasing, materials control ,production and delivery, control the whole order process.

Much easier to trace the details for each product and control each step of the production.

Thermal Design

Professional thermal simulation, ensure device control and test every hot spot temperature working stably when temperature increases

Meet The Requirements Of Various Customers

Rich experience in RF design hardware design can meet the requirements of various customers safe and reliable power supply solution customize different mould solution, such as SAGEMCOM, BESTBUY, PHILIPS, Walmart, etc.

Perfect Testing Team

Standard testing example continuous improve testing method guarantee the reliability of software and hardware

Program Failure Testing

Professional program failure testing, 1000 times test under compulsive power on/off condition and any kind of informal power-off operation

Components Selection

All components selected are well-known brand in the industry



Product Certifications

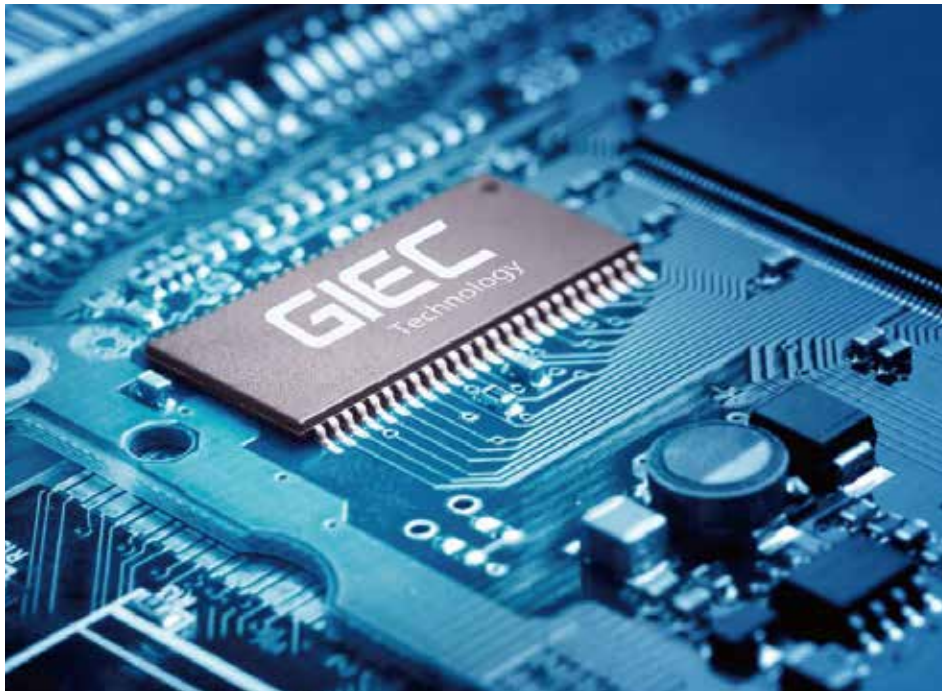
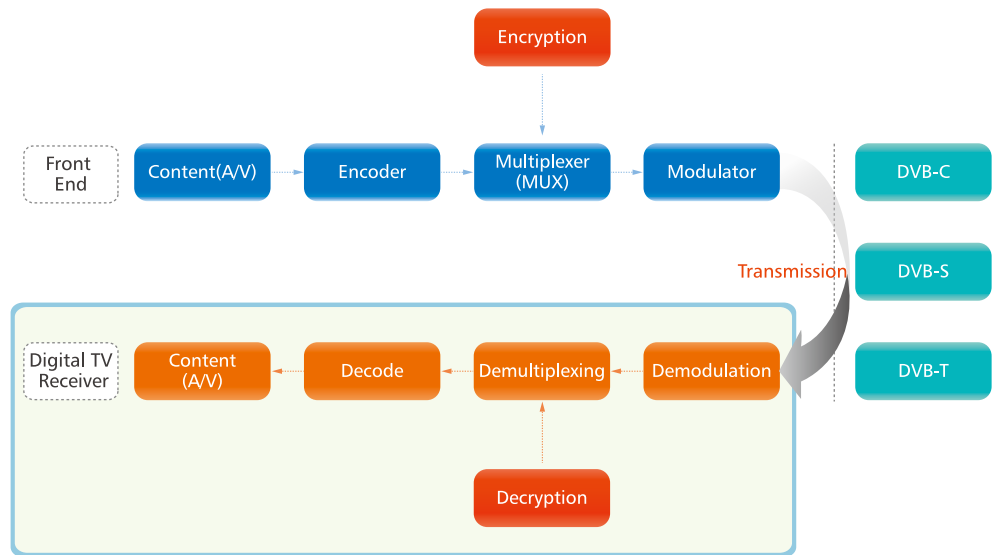
CE/FCC/Rohs ; Product can pass CE/FCC certifications

 **PAY TV** 



PAY TV BOX

Operators deploy scrambling multiplexer, conditional access system (CAS) in the front end and then content will be scrambled. First of all, terminal PAY TV BOX will decrypt control word(CW) encrypted in the front end by integrated CA module, then content will be descrambled and output in a clear-stream way.



SD/HD
DVB-C

• GK-BHT1902
Product Dimension: 190*125*40mm



• GK-BC1223
Product Dimension: 120*100*34mm



» Specifications

- Support DVB-C MPEG2 H.264
- Support 32, 64, 128 and 256QAM
- Support USB PVR and Media player
- Support Card Solution
- Support Software Upgrade By OTA or USB
- Support Advanced Security or Standard Security



DVB-S2



Product Dimension: 122*86*26mm

» Specifications

- Support DVB-S2
- Support MPEG-1/2/4, H.264, VP8
- Support USB PVR, Timeshifting and Media Player
- Support Cardless, Advanced Security
- Support Software Upgrade By OTA or USB



• GK-BDSC1726
Product Dimension: 170*120*28mm



» Specifications

- Support DVB-S2 MPEG4
- Support QPSK/8PSK
- Support USB PVR and Media player
- Support Smart Card Interface or Cardless Solution
- Support Software Upgrade By OTA or USB
- Support Advanced Security or Standard Security



DVB-T2



• GK-BC1805
Product Dimension: 180x121.5x30mm

• GK-BHT1804
Product Dimension: 180x121.5x30mm



» Specifications

- Support DVB-T2, H.264/MPEG4
- Support Single and Multiple PLPS
- Support Smart Card or Cardless
- Support Software Upgrade By OTA or USB
- Support Standard Security/Advanced Security



ANDROID OTT BOX



• GK-MP1113
Product Dimension: 110*90*25mm



» Specifications

- CPU: High-performance Quad-core ARM Cortex-A53 CPU
- GPU: High-performance Penta-core Mali 3D GPU
- Support H.265 10bit 4K 60fps decoder
- Adopt 28nm advanced technology, high-performance, low-power consumption
- Decode format: The abundant of Audio & Video decode ability, support AVS, AVS+, VP9 and etc, support Dolby/Dolby plus and etc
- Support file formats: mkv, wmv, mv, mpg, mpeg, dat, avi, mov, iso, mp4, rm and jpg
- High-intergration: Built-in audio DAC, integrated 100M ePHY, support WIFI COB design
- Security design: support security- boot, anti-root, support the advanced security
- Mechanism of the operator, support main-stream DRM
- Mature design: Provide complete OTT/IPTV solution
- Support the cloud game
- Support 1GB DDR3/2G DDR3 optional
- Support high-speed WiFi/BT optional



GK-MP1305
Product Dimension: 127x125x27mm



» Specifications

- CPU: Quad Core ARM Cortex-A53 CPU
- GPU: ARM G31 MP2 GPU
- Support Multi-video decoder up to 4K x 2K@60fps + 1x1080p@60fps(H.264, H.265, VP9, MPEG-1/2/4, AVS/AVS+, WMV/VC-1, Real video 8/9/10)
- Support file formats: mkv, wmv, mpg, mpeg, dat, mov, iso, mp4, rm, jpg
- Support audio formats: mp3, AAC, wma, rm, Flac, OGG, Dolby(optional), programmable with 7.1/5.1 down-mixing
- Support HDR10, HDR10+, HLG and Technicolor HDR processing, Dolby Vision(optional)
- Integrated IEEE 802.3 10/100/1000M Gigabit Ethernet MAC, Integrated 10/100M Ethernet PHY interface
- Support 1GB DDR3/2G DDR3 optional
- 2T2R+BT



OTT +DVB-T2

• GK-MP1630
Product Dimension: 162x120x32mm



» Specifications

- Support DVB-T2 and DTV application
- CPU: High-performance Quad core Cortex-A53
- GPU: High-performance Pento core Mail-450
- Support H.265 10bit 4K 60fps decoder
- Adopt 28nm advanced technology, high-performance, low-power consumption
- Decode format: The abundant of Audio &Video decode ability, support AVS, AVS+, VP9 and etc, support Dolby/Dolby plus and etc
- Support file formats: mkv, wmv, mpg, mpeg, dat, avi, mov, iso, mp4, rm and jpg
- High-intergration: Built-in audio DAC, integrated 100M ePHY, support WIFI COB design
- Security design: support security- boot, anti-root, support the advanced security
- Mechanism of the operator, support main-stream DRM
- Mature design: Provide complete OTT/IPTV solution
- Support the cloud game
- Support 1GB and 2GB DDR3
- Support high-speech WIFI

OTT +ISDB-T

• GK-MP1621
Product Dimension: 166x138x32mm



» Specifications

- Support ISDB-T and DTV application
- CPU: High-performance Quad core Cortex-A53
- GPU: High-performance Pento core Mail-450
- Support H.265 10bit 4K 60fps decoder
- Adopt 28nm advanced technology, high-performance, low-power consumption
- Decode format: The abundant of Audio &Video decode ability, support AVS, AVS+, VP9 and etc, support Dolby/Dolby plus and etc
- Support file formats: mkv, wmv, mpg, mpeg, dat, avi, mov, iso, mp4, rm and jpg
- High-intergration: Built-in audio DAC, integrated 100M ePHY, support WIFI COB design
- Security design: support security- boot, anti-root, support the advanced security
- Mechanism of the operator, support main-stream DRM
- Mature design: Provide complete OTT/IPTV solution
- Support the cloud game
- Support 1GB and 2GB DDR3
- Support high-speech WiFi/BT optional

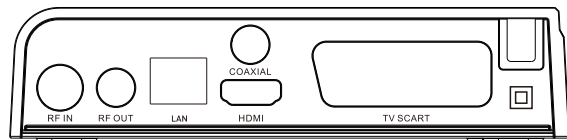
FTA STB >>>>



HEVC 4K DVB-T2



• GK-BHT1525
Product Dimension: 150x98x35mm



» Specifications

- Fully DVB-T2 compliant
MPEG-2/4, H.264, H.265, AVC, AVS/AVS+, VC-1, VP8, VP9 Decoder
- Support 4K x 2K P50/60 output for HDMI
- Support 4K ultra-high definition display and decoder
- HDR multiple format, IPTV, Youtube
- OTA/PVR/Timeshift/Multimedia Player
- Support HDMI, Scart, Coaxial, RJ45
- Support 480i,480p,576i,576p,720p,1080i,1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP/PNG format
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby/Dolby Plus, HE-AAC



HEVC DVB-T2 HDMI Dongle



• GK-BHT0602
Product Dimension: 65x28x13.5mm



» Specifications

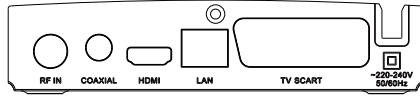
- Fully DVB-T2 compliant
- Support MPEG-1, MPEG-2, MPEG-4, H.264, H.265 decoder
- Support USB2.0 host/OTA upgrade, PVR, Timeshifting and Multimedia player
- Support HDMI, IR, USB
- Support 480i,480p,576i,576p,720p,1080i,1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP/PNG format
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby/Dolby Plus, HE-AAC



HEVC DVB-T2/Stick

» Specifications

- Fully DVB-T2 compliant
- Support MPEG-1, MPEG-2, MPEG-4, H.264, H.265 decoder
- Support USB2.0 host/OTA upgrade, PVR, Timeshifting and Multimedia player
- Support HDMI, RCA3/Scart, Coaxial,RJ45 output
- Support FTP Client, RSS, Yahoo weather, Youtube
- Definition support: 480i,480p,576i,576p,720p, 1080i,1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP/PNG format
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby/Dolby Plus, HE-AAC



• GK-BHT1535
Product Dimension: 150x98x35mm



» Specifications

- Fully DVB-T2 compliant
- Support MPEG-1/2/4, H.264, H.265 decoder
- Support USB2.0 host/OTA upgrade, PVR, Timeshifting and Multimedia player
- Support RF in/out, HDMI,RJ45 output
- Support FTP Client, RSS, Yahoo weather, Youtube, IPTV
- Definition support: 480i,480p,576i,576p,720p,1080i,1080p
- Support TS/MKV/MP4/MPG/AVI and JPEG/BMP/PNG formats
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby/Dolby Plus, HE-AAC

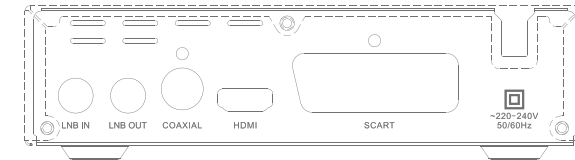
• GK-BDT1133
Product Dimension: 110x60x24mm



HEVC DVB-S2



• GK-BHT1626
Product Dimension: 160x108x40mm



» Specifications

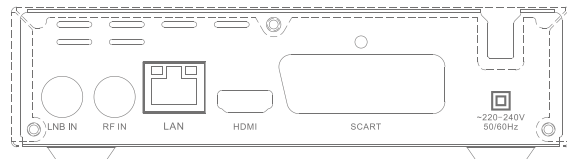
- Satellite Receiver Standard ETS 302 307
- Data Rate 1-45 Msps(QPSK/8PSK)
- Constellation QPSK /8PSK
- FFC 1/2, 2/3, 3/4, 4/5, 5/6, 7/8, 8/9, 9/10
- Roll-off factors 0.2, 0.25, 0.35
- Enhanced Time-shift and PVR
- Support 576i, 576p,720p,1080i, 1080P HD output(60fps)
- Support 7 days EPG for on screen channel information
- Support Multi-subtitle and Teletext
- Support Dolby/Dolby Plus, HE-AAC



HEVC DVB-T2 +S2 Combo



• GK-BHT1625
Product Dimension: 160x108x40mm

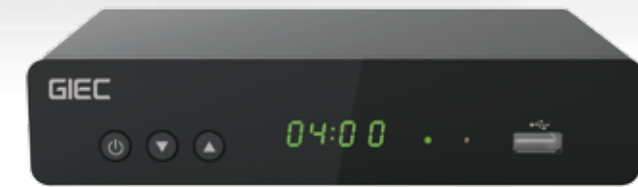


» Specifications

- Support MPEG-2/4, H.264, H.265, VC-1, AVS/AVS+, VP8, VP9 Decoder
- Support DVB-T/ T2 tuner RF in
- Support DVB-S2 tuner LNB in
- Support USB2.0 host/OTA upgrade, PVR, Timeshifting and Multimedia player
- Support HDMI, Scart, Coaxial, RJ45 output
- Support FTP Client, RSS, Yahoo weather, Youtube
- Definition support: 480i,480p,576i,576p, 720p,1080i,1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support JPEG/BMP/PNG format
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby/Dolby Plus, HE-AAC



HEVC DVB-T2 with Twin Tuner



• GK-BHT1723
Product Dimension: 170x108x35mm



» Specifications

- Fully DVB-T2 compliant, watching & recording
- Support MPEG-1/2/4, H.264, H.265, VC-1 Decoder
- Support USB2.0 host/OTA upgrade, PVR, Timeshifting and Multimedia player
- Support HDMI, Scart, Coaxial, RJ45 output
- Support FTP Client, RSS, Yahoo weather, Youtube
- Definition support: 480i,480p,576i,576p,720p, 1080i,1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support JPEG/BMP/PNG format
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby/Dolby Plus, HE-AAC



ISDB-T Zapper



• GK-BHT1131
Product Dimension: 105x90x26mm



» Specifications

- Fully ISDB-T compliant
- Support MPEG-1, MPEG-2, MPEG-4, H.264 decoder
- Support USB2.0 PVR, Timeshifting and Multimedia player
- Support HDMI, RCA output, LED display
- Definition support: 480i,480p,576i,576p,720p, 1080i,1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP format
- Support 7 days EPG and Multi-language OSD menu



ISDB-T (Ginga NCL)



• GK-BHT1225
Product Dimension: 123x95x28mm

Seja:Digital
EAD - Criada conforme determinação da ANATEL

» Specifications

- Fully ISDB-T Ginga NCL compliant
- Support MPEG-2/4, H.264, AVS/AVS+, VC-1, VP8, VP9 Decoder
- Support USB2.0 software upgrade, 3G Dongle / WiFi Dongle
- Definition support: 720 x 576p, 720 x 576i
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP format
- Support RF modulator channel 3/4 output



DVB-T2

» Specifications

- Fully DVB-T2 compliant, H.264
- Support MPEG-1, MPEG-2, MPEG-4, H.264 decoder
- Support USB2.0 host/OTA upgrade, PVR, Timeshifting and Multimedia player
- Support HDMI, RCA3/Scart, Coaxial output
- Definition support: 480i,480p,576i,576p, 720p,1080i,1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP format
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby(optional)



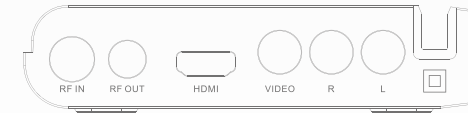
• GK-BHT0908
Product Dimension: 89x62x26mm



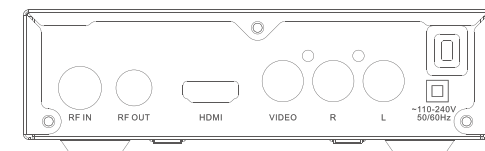
• GK-BHT1120
Product Dimension: 105x80x26mm



• GK-BHT1205
Product Dimension: 125*103*30mm



• GK-BHT1230
Product Dimension: 120x107x35mm



ATSC HD

- GK-BHT1217
Product Dimension: 125x93x29mm



- GK-BHT1532
Product Dimension: 150x98x36mm



» Specifications

- Fully ATSC HD compliant
- Support MPEG-1, MPEG-2, MPEG-4, H.264 decoder
- Support USB2.0 PVR Timeshifting and Multimedia player
- Support HDMI, RCA3 output, RF modulator
- Definition support: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP format
- Support 7 days EPG and Multi-language OSD menu
- Support Dolby/Dolby Plus/HE-AAC



DTMB HD



- GK-BHT1307
Product Dimension: 130x102x30mm



- GK-BHT1530
Product Dimension: 150x98x36mm



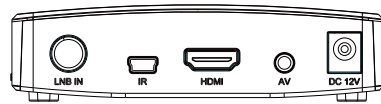
» Specifications

- Support DTMB for Cuba region
- Support MPEG-1, MPEG-2, MPEG-4, AVS+, H.264 decoder
- Support USB2.0 host, PVR, Timeshifting and Multimedia player
- Support HDMI, RCA3, Coaxial output
- Definition support: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p
- Support TS/MKV/MP4/MPG/AVI video formats
- Support OGG format
- Audio format: MPEG layer 1/2/AAC
- Support JPEG/BMP format
- Support 7 days EPG and Multi-language OSD menu
- Support Data Broadcasting

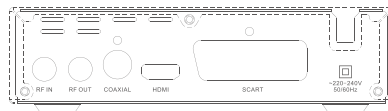


DVB-S2

- GK-BIT1134
Product Dimension: 105x90x26mm



- GK-BHT1622
Product Dimension: 160x108x40mm



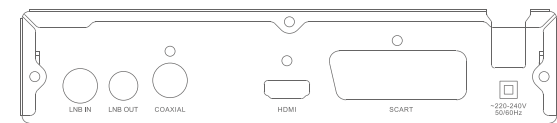
» Specifications

- Satellite Receiver Standard ETS 302 307
- Data Rate 1-45 Msps(QPSK/8PSK)
- MPEG-1/2/4, H.264, AVS/AVS+, VC-1, VP8 Decoder
- Enhanced Time-shift and PVR
- Support 576i, 576p, 720p, 1080i, 1080P HD output
- Support 7 days EPG for on screen channel information
- Support Multi-subtitle and Teletext
- Support Biss key
- Support Dolby/Dolby Plus/HE-AAC



DVB-S2 + CI

- GK-BHS1906
Product Dimension: 190x125x40mm



» Specifications

- Support MPEG-1, MPEG-2, MPEG-4, H.264 decoder
- Support DVB-S2 tuner LNB in / LNB out
- Support CI card
- Support HDMI, Scart, Coaxial, output
- Support PVR, Timeshifting, Multimedia player and software upgrade via USB2.0 jack
- Support high definition: SD/HD max. 1920*1080 pixel
- Support Multi-media player with HDD
- U-FLASH (FAT12/FAT16/FAT32/NTFS)
- Support Multi-language OSD Menu



HbbTV (DVB-T/T2)



• GK-BHT1902
Product Dimension: 190x125x40mm



• GK-BHT1904
Product Dimension: 190x134x40mm



» Specifications

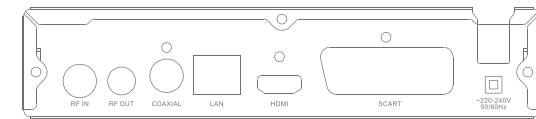
- Support DVB-T/T2 H.264/MPEG4, HBBTV 1.5V
- Support 32,64,128 and 256QAM
- Support USB PVR and Media player
- Support PVOD Solution
- Support LAN Port
- Support Youtube, Web Brower, Facebook, Twitter, etc



HbbTV (DVB-S2)



• GK-BHT2106
Product Dimension: 215x110x40mm



» Specifications

- DVB-S2/S Satellite Receiver Standard, HBBTV 1.5V
- LED display
- Channel change to user pre-defined channel on user defined time
- Channel Record Booking
- Support 576i, 576p,720p,1080i,1080P HD output
- Support Red key, Main menu, EPG, Video on demand
- Support Lan-port
- Support youtube, Web Browser,Facebook, twitter etc



DVB OTA Streaming

» Specifications

- Support 2 DVB T2 tuner input / 2 to 4 ATSC tuner input
- Support Transcoding of MPEG2 Content from DVB T2/ATSC to H.264 for mobile device consumption
- Support 2 DVB T2 / 2 to 4 ATSC stream at full 1080i
- Systems can support external or internal HDD for DVR/Timeshift Options
- Systems can support Placeshift options for out of home video consumption
- Support Transcoding to lower bitrates and resolution to support slower networks upload speeds
- Networking options include Ethernet and WIFI



Watch Free Live HDTV on Any Screen, Anywhere and Anytime
Support a wide range of end display devices

On you big screen TV
with Android TV
Amazon Fire TV
Roku, Chromecast or
Apple TV(using Airplay)



On your PC or
Macwith chrome
and the Table
Web App



On your iPad or
Android Tablet
with Tablo App

On your smartphone
with the Tablo App



» Packing Information

	105MM	125MM	150MM	160MM	190MM	230MM
Unit Ddimension	105x80x26 (mm)	125x99x38 (mm)	150x108x40 (mm)	160x110x45 (mm)	190x125x40 (mm)	230x132x40 (mm)
Qty per GB	1pc	1pc	1pc	1pc	1pc	1pc
GB:(WxHxL)	186x112x48 (mm)	171x151x55 (mm)	182x175x54 (mm)	186x196x55 (mm)	227x193x63 (mm)	255x184x58 (mm)
GB:(G.W.)	0.18 kg	0.38 kg	0.36 kg	0.40kg	0.46kg	0.78 kg
Qty Per Export Carton	20 pcs	32 pcs	20 pcs	10 pcs	20 pcs	10 pcs
Export carton (WxHxL)	374x256x250 (mm)	466x356x329 (mm)	356x292x334 (mm)	395x292x225 (mm)	484x340x402 (mm)	314x268x462 (mm)
Export carton (G.W.)	5.9 kg	11.7 kg	8.7 kg	5.5 kg	12.2 kg	8.2 kg
Units per 20"/40"/40" HQ	24600/51300 /58000 pcs	17280/36000 /41120 pcs	16800/35200 /39800 pcs	11600/24200 /27110 pcs	8880/18500 /21000 pcs	8000/16700 /18000 pcs