# TV Home Gateway

## 4K Home streaming and transcoding server

*Revolutionary Android Home Gateway* with integrated chipset Monaco STiH412 SoC by STMicrosystems for streaming and transcoding 3 channels in real time to home smart devices (tablets, smartphones, etc.). Antik´s device with multi-tuner DVB-T/T2, DVB-C and DVB-S2 is characterized by extreme performance needed for multiscreen experience.

up to 4 DVB Tuners + IP

## Key Features

- Broadcasting OTT internet content HEVC L 5.1 (H.265)
- Multiscreen simultaneous HD multimedia streaming
- Transcode and transrate 3 channels in real time
- Powered by Linux or Android operating system
- 7500 / 10000 DMIPS
- Networking of media throughout the home via standards such as DLNA or RVU
- HDMI input

## Highlights

- UltraHD (2160p) video support and crystal clear digital audio
- Interactive TV Support - Multicast TV, Electronic Program Guide, VOD, Mozaic
- 3D TV up to 1080p30L30R
- Major DRM systems integrated
- Segment streaming and buffering for OTT delivery
- even in low-speed networks
- CPU: 2GHz dual-core ARM Cortex-A9
- GPU: 400MHz quad-core ARM Mali-400 MP dual DDR3 controler (2GB RAM)
- Hardware generated Picture-in-Picture
- Intelligent low power consumption management

## Features

- Digital Surround Support
- Up to quadruple DVB tuner (T, T2, C, S2)
- HTTP Live Streaming support
- Fast vector graphics thanks to integrated SVG Engine
- Triple H.264 HD decoding
- USB 3.0
- HbbTV Support
- DLNA Server&Player support (coming soon)
- HDD – external through USB
- BitTorrent™ client support
- Software environments such as Android™ 4.0 and higher, XBMC,
- HTML5, Adobe® AIR® and Qt

## Antik Home Gateway Specifications

### Video

- Parallel decoding of 3 HD streams
- Picture in Picture
- Aspect ratio conversion (LetterBox, Pan&Scan, Combined, Fullscreen)

**Interfaces**
- HDMI 1.4b @ 2160p30
- CVBS/YPbPr (3,5mm jack)

**Codecs**
- H.265 HEVC L5.1 (2160p30)
- H.264 AVC, one L5.1 (2160p30) or three L4.1(1080i60/1080p30)
- WebM VP8, up to 1080p60
- VC-1 (WMV), MPEG4 (DivX, Xvid),MPEG2
- MJPEG, Flash (VP6, Sorenson)

**Resolution**
- SD     576i (PAL), 480i (NTSC)
- HD     720p, 1080i, 1080p
- UHD   2160p30
- 3D 1080i60L60R or 1080p30L30R

### DRM/CA

- Verimatrix
- Securemedia
- Key Rider

### Other Interfaces

- Quadruple DVB Tuner
- RJ-45 Gigabit Ethernet
- 1x USB 3.0 + 1x USB 2.0
- IR receiver
- Built in WIFI

### Audio

**Interfaces**
- TOSLINK Digital Audio output
- L/R analogue stereo output

**Codecs**
- MPEG-1 (layer I/II)
- MP3
- Dolby Digital (AC-3)
- AAC (HE-AAC v2 Profile)
- FLAC, Vorbis

### Software integration

- Operating system Linux 3.10, Android 4.4
- Copy Protection HDCP v 1.2 (optional)
- Ekioh SVG integrated (optional)

**Middleware**
- ANTIK Built-in Middleware (optional)
- Beenius 3.2 Middleware (optional)

### Accessories (optional)

- Remote control
- 3.5mm/RCA cable
- RCA/SCART cable
- Ethernet Cable
- HDMI cable
- Full size/Compact Keyboard

### Streaming

- MPEG-2 transport stream
- Multicast or Unicast
- TS over UDP
- TS over RTP
- HTTP streaming
- RTSP (with trick play support) for VoD
- Teletext and subtitles
- IGMP
- HLS

### CPU & Memory

- CPU STiH410/STiH412
- GPU Mali-400MP
- DRAM 2 GB DDR3
- Flash  1 GB

### Technical specifications

- Width x depth x height 285 mm x 170 mm x 60 mm (without packaging)
- Weight 540g (without accessories and packaging)
- Power Input 12V DC
- Power Adaptor 90-250V/50-60Hz AC
- Operating temperature 0°C to 45°C
- Operating Humidity 8%-95% (non-condensing)