

Amlogic S905  
Quad Core

4K X 2K  
UHD Output



Penta-core  
Mali-450MP  
GPU

Android  
6.0.1 OS

1GB DDR3  
8GB Nand  
Flash

Connecting  
through LAN

Standard  
IEEE 802.11  
b/g/n

Datasheet V1.1.2

### SIV1012S Android TV Box:

The SIV1012S is an Android TV box built with Amlogic S905 Quad Core processor. It is an Internet TV box that supports Full High Definition such as MVC/MPEG-1/2/4 VC-1/WMV/AVS/AVS+/RealVideo/MJPEG/H.264/H.265-10/JPEG and so on. It can interoperate with any IPTV headend and middleware to implement Tvod, Vod, Billing features and encode different TV channels. The SIV1012S comes with 3\* USB Host Port and 1\*USB Device, it can be managed/controlled with an IR Remote Controller or USB keyboard and mouse. Its system can be built with your own Apps (E.g. Market for APP download) for value added services.

### Main Features:

- Built with Amlogic S905 Quad Core Processor 64-bit Cortex-A53up to 2.0GHz
- Support FHD such as MVC/MPEG-1/2/4 VC-1/WMV/AVS/AVS+/Real Video/MJPEG/H.264/H.265-10/JPEG
- Max resolution: 4000 X 2000 UHD Output, HDMI 2.0  
DDR3 1GB (compatibility 1GB-2GB) .8GB (EMMC) (compatibility 4GB-32GB)
- Built on Android 6.0.1 Operating System,
- GPU: Penta-core Mali-450MP GPU @ 750MHz
- AV OUT : 480i/576i standard definition output

- Optical : Digital Audio output
- Comes with 1\* RJ45 Ethernet Interface , 10M/100M LAN
- Comes with 2\* USB Host Port and 1\*USB Device, users can play internet games with USB Keyboard and USB mouse.
- Comes with IR Remote controller for remote controlling the box.
- Compact housing with good cooling effect
- Supports rich decoding format: MVC/MPEG-1/2/4 VC-1/WMV/AVS/AVS+/RealVideo/MJPEG/H.264/H.265-10/JPEG
- Supports rich Media formats: Avi/Rm/Rmvb/Ts/Vob/Mkv/Mov/ISO/wmv/asf/flv/dat/mpg/mpeg
- Supports rich Music formats: MP3/WMA/AAC/WAV/OGG/AC3/DDP/TrueHD/DTS/DTS/HD/FLAC/APE
- Supports rich Photo formats: HD JPEG/BMP/GIF/PNG/TIFF
- Supports USB host: 2\* USB Host Port and 1\*USB Device
- Card reader: SD/SDHC/MMC cards, support 4GB/8GB/16GB/32GB/64GB
- HDD file system: FAT16/FAT32/NTFS
- OSD (On Screen Display) languages: English/ French/ German/ Spanish/ Italian etc multilateral languages
- Ethernet LAN: 10/100M, standard RJ-45
- Wireless LAN: Standard IEEE 802.11 b/g/n
- Supports mouse and keyboard via USB; Supports 2.4GHz wireless mouse and keyboard via 2.4GHz USB dongle, Bluetooth 4.0EDR
- HDMI: HDMI 2.0
- Supports AV port
- Supports SPDIF connectors

## Technical Parameters

### Hardware Parameters:

Built with Amlogic S905 Quad Core Processor 64-bit Cortex-A53 up to 2.0GHz  
GPU: Penta-Core Mali-450 Up to 750Mhz+  
Supports decoder format for MVC/MPEG-1/2/4 VC-1/WMV/AVS/AVS+/RealVideo/MJPEG/H.264/H.265-10/JPEG  
Supports 1GB DDR3, Support 8GB EMMC  
Supports LED display for working status: Powering up and working (Blue), Standby (Red)  
Built in with 802.11b/g/n Wi-Fi module,  
Supports Hardware 3D graphics acceleration  
Comes with IR remote controller  
Power Supply: DC 5V/2A  
Standby Power : <0.5W

### Hardware Interfaces:

2\* USB Host Port and 1\*USB Device  
AV port \* 1  
HDMI port \* 1  
Optical port \* 1  
SD/MMC slot \* 1  
10/100M Base-Tx Ethernet Port \* 1  
Power jack \* 1

### Software Parameters:

Built on Android 6.0.1 Operating System  
Video : H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps  
H.264 AVC HP@L5.1 up to 4Kx2K@30fps  
H.264 MVC up to 1080P@60fps  
MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)  
WMV/VC-1 SP/MP/AP up to 1080P@60fps  
AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps  
MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)  
MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)  
RealVideo 8/9/10 up to 1080P  
WebM up to VGA  
Multiple language and multiple format sub-title video support  
MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918)  
Supports JPEG thumbnail, scaling, rotation and transition effects  
Supports \*.mkv,\*.wmv,\*.mpg, \*.mpeg, \*.dat, \*.avi, \*.mov, \*.iso, \*.mp4, \*.rm and \*.jpg file formats  
Audio : Low power Media CPU with DSP audio processing  
Supports MP3,AAC,WMA,RM,FLAC,Ogg and programmable with 5.1 down-mixing  
Built-in SPDIF/IEC958 and PCM serial digital audio input/output

**Applications :**

Online : Browse all video websites, support Netflix, Hulu, Flixster, Youtube, etc.

Apps : Apps download freely from android market, amazon app store , etc.

Medium : Local Media playback,Support HDD, U Disk ,SD/MMC Card

Talk online : Support SKYPE video call ,MSN , facebook ,twitter ,QQ , etc.

Others : Support Email,office suit etc .

**Software Customization:**

- 1. Android OS customization, support remain/remove any APPs and adding specific features.
- 2. Android APP customization, OS can be built with your own Android Apps based your requirements (E.g. Market for APP download)
- 3. IPTV App customizable, support customize an IPTV App for interoperation with IPTV middleware
- 4. Remote controller customization (E.g. function buttons can be customized based customer's requirements)
- 5. Customer GIF logo shown on device booting screen.

**Hardware Customization:**

- 1. Customer logo branding on Housing.
- 2. Customer logo branding on packaging boxes.
- 3. Hardware customization - remove a non-usable hardware interface. If you have your own housing, we can also make our PCB to be suitable for it (MOQ required)

**Packaging Information :**

SIV10012S IPTV Box \* 1 PC

HDMI Cable \* 1 PC

DC 12V, 1A Power Supply \* 1 PC

User Manual \*1 PC

IR Remote \*1 PC