

10 Allwinner H313 G31 GPU X96Q TV

X96Q TV	
CPU	Allwinner H313 ARM Cortex A53
GPU	G31 MP2 OpenGL ES 3.2/2.0/1.0, Vulkan 1.1, OpenCL 2.0
RAM	DDR3:1GB (2GB)
Storage	eMMC:8GB(16GB)
OS	Android 10.0
Network	IEEE 802.11b/g/n
Video & Audio	
Video	<ul style="list-style-type: none"> H.265 Main10@L5.1 4K@60fps 4K@30fps VP9 2 AVS2 JiZhun 10 4K@30fps H.264 BP/MP/HP@L4.2 4K@30fps H.264 BP/MP/HP, H.263 BP, VP8, MPEG-1 MP/HL, MPEG-2 MP/HL, MPEG-4 SP/ASP@L5 1080p@60fps, AVS/AVS JiZhun, WMV9/VC1 1080p@60fps 1080p@60fps JPEG
Audio	<ul style="list-style-type: none"> DAC 2 1 LINEOUTP/N LINEOUTL/LINEOUTR 1 3 I2S/PCM(I2S0, BT I2S2, I2S3) I2S, PCM, TDM I2S 8 32/192kbit I2S TDM 16 32/96kbit 16/20/24 OWA OUT 1 DMIC, 8 PDM
I/O	
1*HDMI	4K*2K UHD, HDMI 2.0a 4K@60fps
1*AV	480i/576i
2*USB	1*USB, 1*USB
1*IR	
1*RJ45	
1*TF	4GB/8GB/16GB/32GB/64GB
	DC 5V/2A ;LED, :
Image	
	HD JPEG, BMP, GIF, PNG, TIF
	Netflix, Hulu, Flixster, Youtube
	HDD, U, TF

allwinner H313 OTT IPTV Allwinner 64 4K@60fps SoC. 64 CortexTM-A53 OpenGL ES 3.2/Vulkan 1.1 ARM G31 GPU. H313 H.265 4K@60fps 10 Ultra-HD, Allwinner SmartColor3.3TM, Dolby, DTS.

- Features:
- ARM CortexTM-A53, 64
 - OpenGL ES 3.2/Vulkan 1.1 G31 GPU
 - H.265 4K@60fps
 - H.264 1080p@60fps
 - HDR10, HLG
 - SmartColorTM 3.3

High Definiton Picture **4K STB**



Product comparison

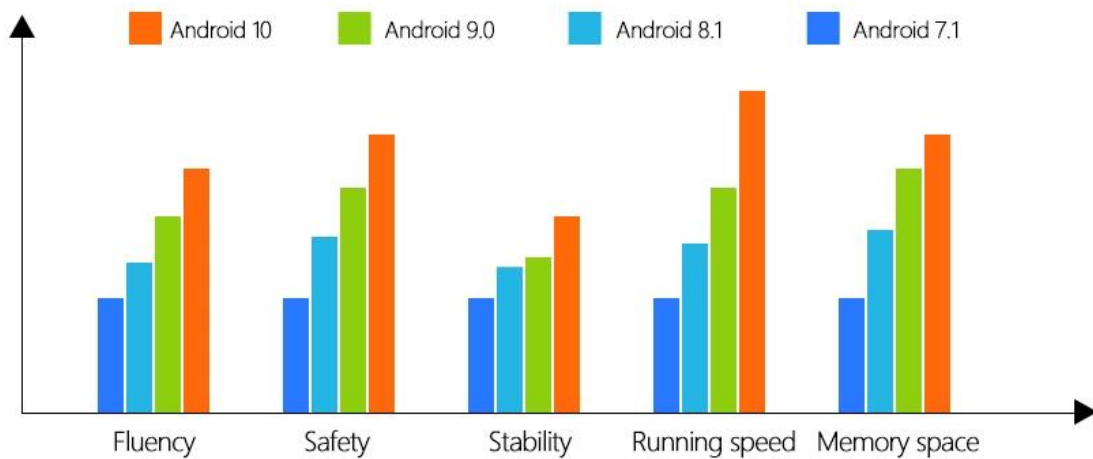
Chip Parameter	H313	RK3229 / RK3228A	H3	S905W
CPU	Quad Core Cortex-A53	Quad core Cortex-A7	Quad-core Cortex-A7	Quad Core Cortex-A53
GPU	Mali G31 OPenGL 1.0/2.0/3.2	Mali 400 OpenGL ES 1.1/2.0	Mali 400 OpenGL 2.0	Mali-450 OpenGL ES 2.0
H.265 decoding	4K@60fps	4K@30fps	4K@30fps	4K@30fps
OS	Android 10	Android 7.1	Android 9.0	Android 7.1
Frequency	1.35GHz	1GHz	1GHz	1.2GHz
Run Score	42417	15503	19165	17193

* The running score data is only a single test result of professionals

Android 10

First to support Google 's new system Android 10, and greatly optimized for the system, can support a minimum of 1GB of memory

feature	IOS	Android 10
Fluency		The system natively supports Vulkan 3D technology. Android 10 UI preferentially uses Vulkan for drawing, which has higher efficiency and lower load.
Safety		File encryption technology based on Google Adiantum algorithm, enabled by default to avoid data leakage caused by Flash
Stability		Smarter background memory management technology (LMKD-PSI), small memory application, faster killing process, foreground process is less affected by background process
Running speed		Virtual machine code optimization to improve execution efficiency
Memory space		New dynamic partitioning technology, flexible allocation of Flash partitions, saving storage space



* Data analysis chart is for reference only

GPU low power consumption, high performance density, no pressure to play games

GPU: support Vulkan, support OpenGL ES3.2

Mali-G31: Exceptional User Experience in the Smallest Area

GPU

Bringing the Bifrost architecture to Ultra Efficient devices.

20%

Smaller total area

20%

Better performance density

12%

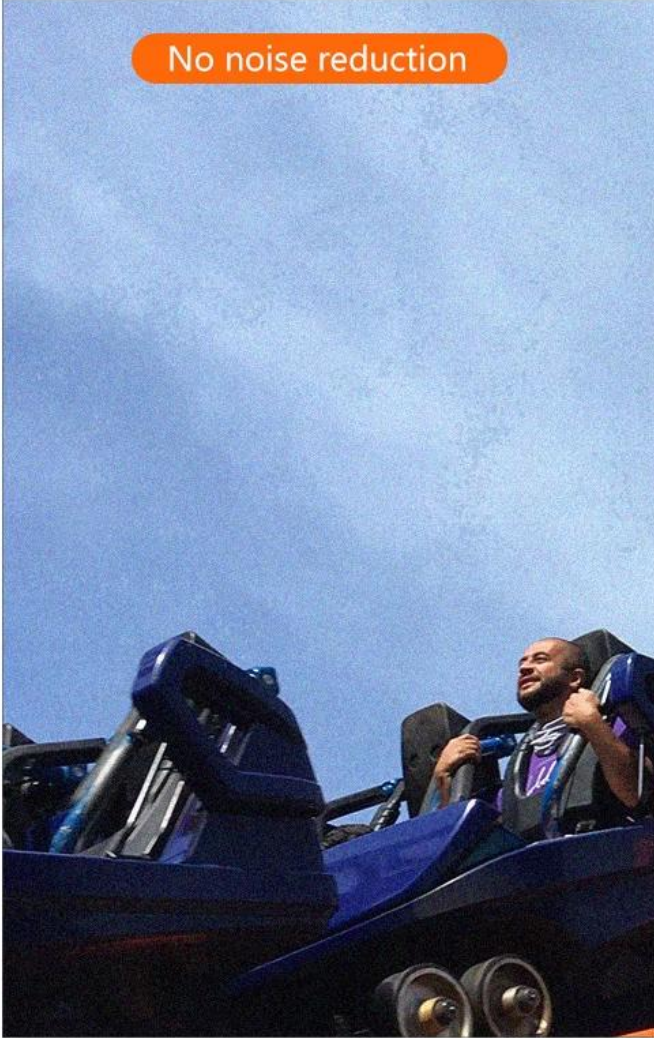
Better UI performance

CPU	H313	RK3318	S905W	RK3229/RK3228A	H3
GPU framework support	Vulkan OpenGL3.2	OpenGL2.0	OpenGL ES2.0	OpenGL ES1.1/2.0	OpenGL2.0



3D noise reduction, more thorough image, more delicate and pure picture

No noise reduction



Noise reduction



Debounce, more stable image and smoother viewing



HDR to SDR

SmartColor™ optimized HDR dynamic curve for better HDR video experience.



Other models: dark sky background



Our model: clear sky background

Clear is not enough, we need to be clearer

The new-generation SmartColor™ 3.1 image quality engine and 14 image quality improvement algorithms bring consumers the best large screen experience. It can achieve 4K / 60fps video, vertical keystone correction, and does not occupy any CPU / GPU resources.

Clear



Android 10, new dynamic partitioning technology, more user storage space

You can choose and install different applications according to your personal preferences to meet your diverse needs.



Faster & Safer response



Save 20% RAM in Space



More stable with applications





ENJOY BIG SCREEN

SUPPORT DLNA, MIRACAST, AIRPLAY

You can play games and watch movies on the big screen

Provide wired and wireless networks

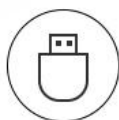
Support WiFi and network cable connection, and support USB local playback, convenient and easy to use



WiFi and network cable transmission signal is stable

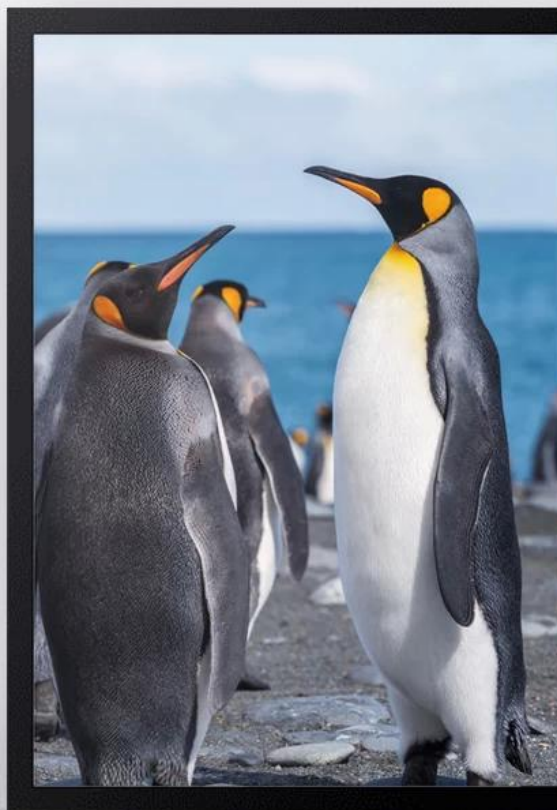


Supports the transmission and download of high-definition videos and big data files. Line installation application.



USB supports local playback and installation of applications

Connect a mobile hard disk or a USB flash drive to play local movies, and install applications such as games and videos.



Suitable for various TVs

With AV interface & HDMI interface , support a variety of LCD TVs and old TVs.



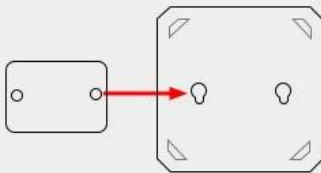
LCD TV



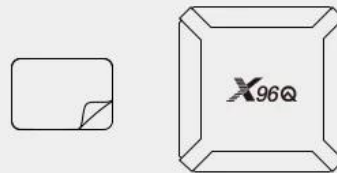
OTT TV BOX



Old TV



Hang the wall mount on the back of the device



Paste the device on the wall or the back of the TV

Rich interface, simple connection

Small interface, big effect, can meet various entertainment needs.



- ① DC: Power line interface ② ETHERNET: Network cable interface ③ HDMI: HDMI cable interface
④ AV: Plug in the AV cable and connect the old TV ⑤ IR: IR cable interface
⑥ USB: USB interface ⑦ USB: USB interface ⑧ CARD: Card slot

Package Contents



Device



Remote Control
(Battery not Included)



Power Supply



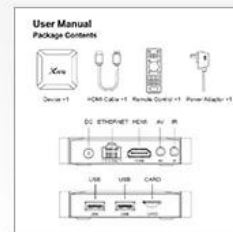
Wall Hanging



HD data cable



IR cable



User Manual

Android 10 Allwinner 雙核 H313 TV 盒子 提供 豐富 的 娛樂 內容 和 應用。 支持 4K 超 高清 畫質 輸出， 為您 帶來 極 致的 視 覺 享受。 內 置 高 效 的 G31 GPU， 支持 3D 遊戲 和 流 暢 的 運 行 效 果。

Android 10 系統 提供 更 多 的 自 由 和 靈 活 性， 讓 您 更 容 易 地 定 制 您 的 設 置。 支 持 藍 牙 和 無線 網絡， 讓 您 更 容 易 地 連 接 到 您 的 設備 和 網 絡。

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內 置 高 效 的 Android 10 TV Box 系 統， 讓 您 更 容 易 地 享 受 更 多 的 視 覺 享 受。 支 持 藍 牙 和 無線 網絡， 讓 您 更 容 易 地 連 接 到 您 的 設備 和 網 絡。 內 置 高 效 的 G31 GPU， 支持 4K 超 高清 畫質 輸出， 讓 您 更 容 易 地 享 受 更 多 的 視 覺 享 受。

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Android 10 Allwinner H313 電視盒 開箱 評測. [TV Box](#). 電視盒, 電視盒, 電視盒 開箱 評測 電視盒 開箱 評測 電視盒 開箱 評測.