

# Android Smart TV Box, Full HD Android TV Box

Specifications	
Model No.	Android Smart TV Box
CPU	Allwinner H616 Quad Core ARM Cortex A53
GPU	G31 MP2
RAM	DDR3: 4GB
Internal Storage	eMMC: 32GB(Option:64GB)
OS	Android 10.0
WiFi	IEEE 802.11 b/g/n/ac
Video&Audio CODEC	
Video	<p>Video Engine (AVE) with dedicated hardware decoders and encoders  Support multi-video decoder up to 4Kx2K@60fps+1x1080P@60fps  Supports multiple "secured" video decoding sessions and simultaneous decoding and encoding  Video Decoding</p> <ul style="list-style-type: none"> <li>- VP9 Profile 2 up to 4Kx2K@60fps</li> <li>- H.265 Main10@L5.1 up to 4Kx2K@60fps,or 6K@30fps</li> <li>- AVS2-P2 Profile up to 4Kx2K@60fps</li> <li>- H.264 BP/MP/HP@L4.2 up to 4Kx2K@30fps</li> <li>- H.263 BP up to 1080P@60fps</li> <li>- MPEG-4 SP/ASP@L5 up to 1080P@60fps (ISO-14496)</li> <li>- MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)</li> <li>- MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)</li> <li>- Xvid up to 1080P@60fps</li> <li>- Sorenson Spark up to 1080P@60fps</li> <li>- VP8 up to 1080P@60fps</li> <li>- AVS/AVS+ JiZhun Profile up to 1080P@60fps</li> <li>- WMV9/VC1 SP/MP/AP up to 1080P@60fps</li> <li>- JPEG HFIF file format up to 45MPPS</li> <li>- Multiple language and multiple format sub-title video support</li> <li>- MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918)</li> <li>- Supports JPEG thumbnail, scaling, rotation and transition effects</li> <li>- Supports *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jpg file formats</li> </ul>
Audio	<p>Supports MP3, AAC, WMA, RM, FLAC, Ogg and programmable with 7.1/5.1 down-mixing  Audio Codec</p> <ul style="list-style-type: none"> <li>-Two audio digital-to-analog(DAC) channels</li> <li>-Support 16-bit and 20-bit sample rate</li> <li>-8kHz to 192kHz DAC sample rate</li> <li>-95+/-2dB SNR@A-weight,-80+/-dB THD+N,output Level more than 0.55Vrms</li> <li>-One128*24-bits FIFO for DAC data transmit</li> </ul> <p>built-in TDM/PCM/I2S ports with TDM/PCM mode up to 384kHz x32bits x 8ch or 96kHz x 32bits x 32ch and I2S mode up to 384kHz x 32bits x 8ch  Digital microphone PDM input with programmable CIC, LPF &amp; HPF, support up to 8 DMICs  Built-in stereo audio DAC  Supports concurrent dual audio stereo channel output with combination of analog+PCM or I2S+PCM</p>
I/O	
1*HDMI	4K*2K UHD Output, HDMI 2.0A
1*AV OUT	480i/576i standard definition output
3*USB	3*USB 2.0
1*IR Reciver	Remote Reciver Connect
1*RJ45	Ethernet Interface
1*TF CARD	Support 4GB/8GB/16GB/32GB/64GB
Power	DC 5V/2A□LED indicator. Working: blue
Others	
Image	HD JPEG, BMP, GIF, PNG, TIF
Language	English French German Spanish Italian etc multilateral languages
Option	<p>Browse all video websites, support Netflix,Hulu,Flixster,Youtube, etc.  Apps download freely form android market, amazon app store etc.  Local Media playback, Support HDD, U Disk , TF Card.</p>



# 4K HDR

Smart TV Box

Cortex-A53

Mali-G31

Quad-Core

OpenGL 3.2

OpenCL 2.0

Vulkan 1.1

ALLWINER<sup>®</sup>  
H616

A detailed image of an Allwinner H616 processor mounted on a dark blue circuit board. The processor is a square chip with a glowing blue border. The circuit board features intricate blue traces and several small components. In the bottom left corner, the text 'TP503' is visible on the board. The overall lighting is dark with a strong blue glow emanating from the processor and the board's traces.

# Passed GTVS test, featuring 4K 60fps

H.265 decoding

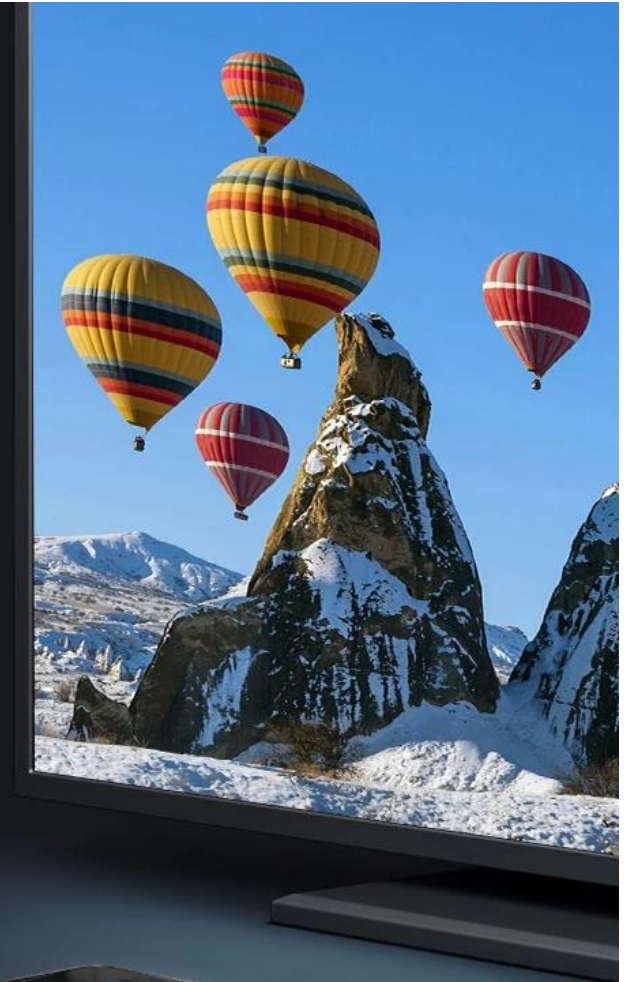
**4K 60fps**

VP9 decoding

**4K 60fps**

AVS decoding

**4K 60fps**







Non Anti-shake

Other models

Our model

Anti-shake

SDR

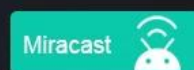
HDR





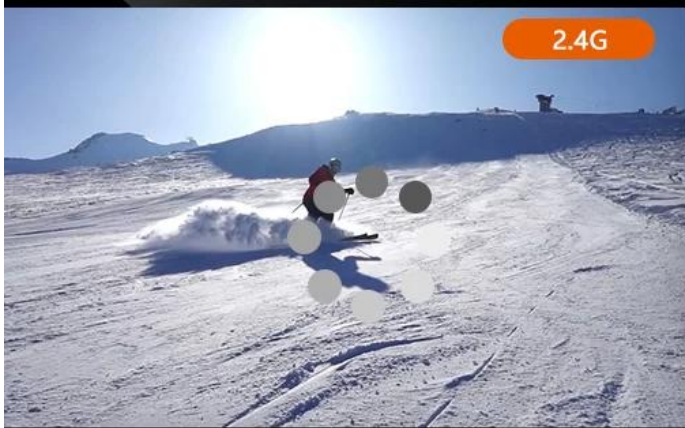
# 3D Denoise





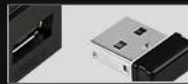
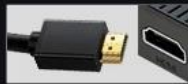


# 2.4G/5G WiFi+BT5.0



Other models

Our model



DC

HDMI

AV

USB2.0

USB2.0



OPTICAL

ETHERNET

USB2.0

TF CARD



# Package Contents



Device



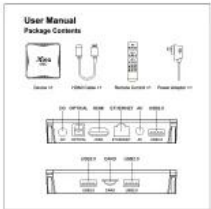
IR Remote Control  
(Battery not Included)



Power Supply



HDMI Cable



User Manual



# Product comparison

Chip Parameter	H616	RK3318	S905X3
CPU	Quad Core Cortex-A53	Quad core Cortex-A53	Quad-core Cortex-A55
GPU	Mali G31 OPenGL ES 3.2	Mali 450 OpenGL ES 2.0	Mali G31 OpenGL ES 2.0
H.265 decoding	4K@60fps / 6K@30fps	4K@60fps	4K@60fps
OS	Android 10	Android 9.0	Android 9.0
Frequency	1.35GHz	1.2GHz	1.2GHz
Run Score	57934	49320	49620

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

Introducing our advanced Android Smart TV Box, designed to revolutionize your home entertainment setup. Here's a detailed overview of its features and benefits:

- Full HD Resolution:** Experience crystal-clear visuals with support for Full HD resolution. Enjoy every detail and vibrant colors on your TV screen.
- Seamless Streaming:** Stream your favorite movies, TV shows, and videos without interruptions. The TV Box ensures smooth playback and minimal buffering, even for high-resolution content.
- Access to Apps:** Explore a world of entertainment with access to a wide range of apps. From streaming services like Netflix and Hulu to gaming apps and productivity tools, there's something for everyone.

4. **Android OS:** Powered by the Android operating system, the TV Box offers a familiar and user-friendly interface. Navigate effortlessly through menus, switch between apps, and customize your experience.
5. **Versatile Connectivity:** Connect external devices such as USB drives, game controllers, and keyboards to enhance your entertainment options. The TV Box supports HDMI input for seamless integration with your TV.
6. **Wireless Connectivity:** Stay connected with built-in Wi-Fi and Bluetooth capabilities. Stream content wirelessly from your smartphone or tablet, or connect Bluetooth accessories for added convenience.
7. **Powerful Performance:** With a high-performance processor and ample storage space, the TV Box delivers fast and responsive performance. Enjoy lag-free multitasking and smooth operation of apps and games.
8. **Compact and Stylish Design:** The TV Box features a sleek and compact design that complements any home entertainment setup. Its modern aesthetics add a touch of elegance to your living space.

In conclusion, our Android [Smart TV Box](#) offers unparalleled performance, immersive visuals, and access to a vast array of entertainment options. Whether you're streaming content, playing games, or browsing the web, this TV Box delivers a premium multimedia experience.