

# Streaming Media Player Allwinner H616 Quad Core Android 10 TV Box

| Specifications    |   |
|-------------------|---|
| Model No.         | X96Q MAX Streaming Media Player   |
| 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<br/>           Support multi-video decoder up to 4Kx2K@60fps+1x1080P@60fps<br/>           Supports multiple "secured" video decoding sessions and simultaneous decoding and encoding</p> <p>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</p> <p>Audio Codec</p> <ul style="list-style-type: none"> <li>-Two audiio 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</p> <p>Digital microphone PDM input with programmable CIC, LPF &amp; HPF, support up to 8 DMICs</p> <p>Built-in stereo audio DAC</p> <p>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            | Browse all video websites, support Netflix,Hulu,Flixster,Youtube, etc.<br>Apps download freely form android market, amazon app store etc.<br>Local Media playback, Support HDD, U Disk , TF Card.   |



# 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 3D rendering of an Allwinner H616 processor chip mounted on a circuit board. The chip is square with a glowing blue border and the Allwinner logo and model number 'H616' printed on its surface. The surrounding circuit board is dark blue with glowing blue traces and components, creating a futuristic, high-tech aesthetic.

# Android 10

Large storage, can hold more applications you like



Chrome



Netflix



YouTube



KODI



# 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



Other models

Our model


# 3D Denoise





Airplay 

DLNA 

Miracast 

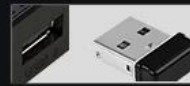


# 2.4G/5G WiFi+BT5.0



Other models

Our model



DC

HDMI

AV

USB2.0

USB2.0



OPTICAL

ETHERNET

USB2.0

TF CARD



# Package Contents



Device



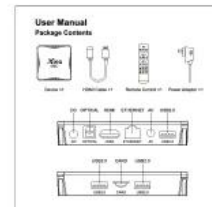
IR Remote Control  
(Battery not Included)



Power Supply



HDMI Cable



User Manual

# Product comparison

| Parameter \ Chip | H616                      | RK3318                    | S905X3                    |
|------------------|---------------------------|---------------------------|---------------------------|
| CPU              | Quad Core<br>Cortex-A53   | Quad core<br>Cortex-A53   | Quad-core<br>Cortex-A55   |
| GPU              | Mali G31<br>OPenGL ES 3.2 | Mali 450<br>OpenGL ES 2.0 | Mali G31<br>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

Experience top-tier streaming with our [Streaming Media Player](#) featuring the Allwinner H616 Quad Core processor and Android 10. This TV Box offers seamless streaming, 4K visuals, and versatile Android capabilities. Elevate your home entertainment with this high-performance device, bringing endless content to your screen.