# Rockchip RK3566 Quad Core Linux TV Box Support 8K ULTRA HD

| Specifications | |
|---|---|
| Model No. | RK3566 Linux TV Box |
| CPU | Rockchip RK3566 Quad Core ARM Cortex A55 |
| GPU | Mali-G52 1-Core-2EE OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 support |
| NPU | Neural network acceleration engine with processing performance up to 0.8 TOPS |
| RAM | 8GB (2/4/8GB Optional) |
| ROM | 64GB (16/32/64/128GB Optional) |
| OS | Android 11 |
| Bluetooth | Support BT4.X |
| WiFi | Two external antennas<br>Support 2.4G and 5G<br>Support WiFi IEEE 802.11 b / g / n / ac |
| **Video&Audio CODEC** | |
| Video | H.265 HEVC/MVC Main10 Profile yuv420@L5.1 up to 4096x2304@60fps<br>H.264 AVC/MVC Main10 Profile yuv400/yuv420/yuv422/@L5.1 up to 4096x2304@60fps<br>VP9 Profile0/2 yuv420@L5.1 up to 4096x2304@60fps<br>VP8 verision2,up to 1920x1088@60fps<br>VC1 Simple Profile@low, medium, high levels, Main Profile@low, medium, high levels, Advanced Profile@level0~3,up to 1920x1088@60fps<br>MPEG-4 Simple Profile@L0~6,Advanced Simple Profile@L0~5,up to 1920x1088@60fps<br>MPEG-2 Main Profile, low, medium and high levels, up to 1920x1088@60fps<br>MPEG-1 Main Profile, low, medium and high levels, up to 1920x1088@60fps<br>H.263 Profile0,levels 10-70,up to 720x576@60fps<br>H.264/AVC BP/MP/HP@level4.2,up to 1920x1080@100fps<br>H.265/HEVC MP@level4.1, up to 1920x1080@100fps (4096x4096@10fps with TILE) Support YUV/RGB video source with rotation and mirror |
| Audio | Supports MP3, AAC, WMA, FLAC, Ogg. |
| **I/O** | |
| 1*HDMI | 4K*2K UHD Output, HDMI 1.4/2.0 |
| 3*USB | 1* USB3.0<br>2* USB2.0 normal type |
| 1*IR Reciver | 3.5mm Earphone jack<br>Remote Reciver Connect |
| 1*RJ45 | 1000M Ethernet |
| 1*Micro SD Card | Support External Memory |
| Power | DC 5V/2A |
| **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 Disck , TF Card. |

# Rockchip RK3566

## RK3566 has superior CPU processing power and better experience

CPU
**RK3566**

GPU
**Mali-G52**

# HD 8K Playback

Support video decoding in multiple formats

**2K** QUAD **HD**

**4K** ULTRA **HD**

**8K** ULTRA **HD**

2K     4K     8K

**H.265** HEVC

**HDR10+**

# Linux 1

Install the Linux operating system according to Develop the software you need for different purposes and usage habits.

# Linux 2

The Linux system supports 8K video playback,Use a browser
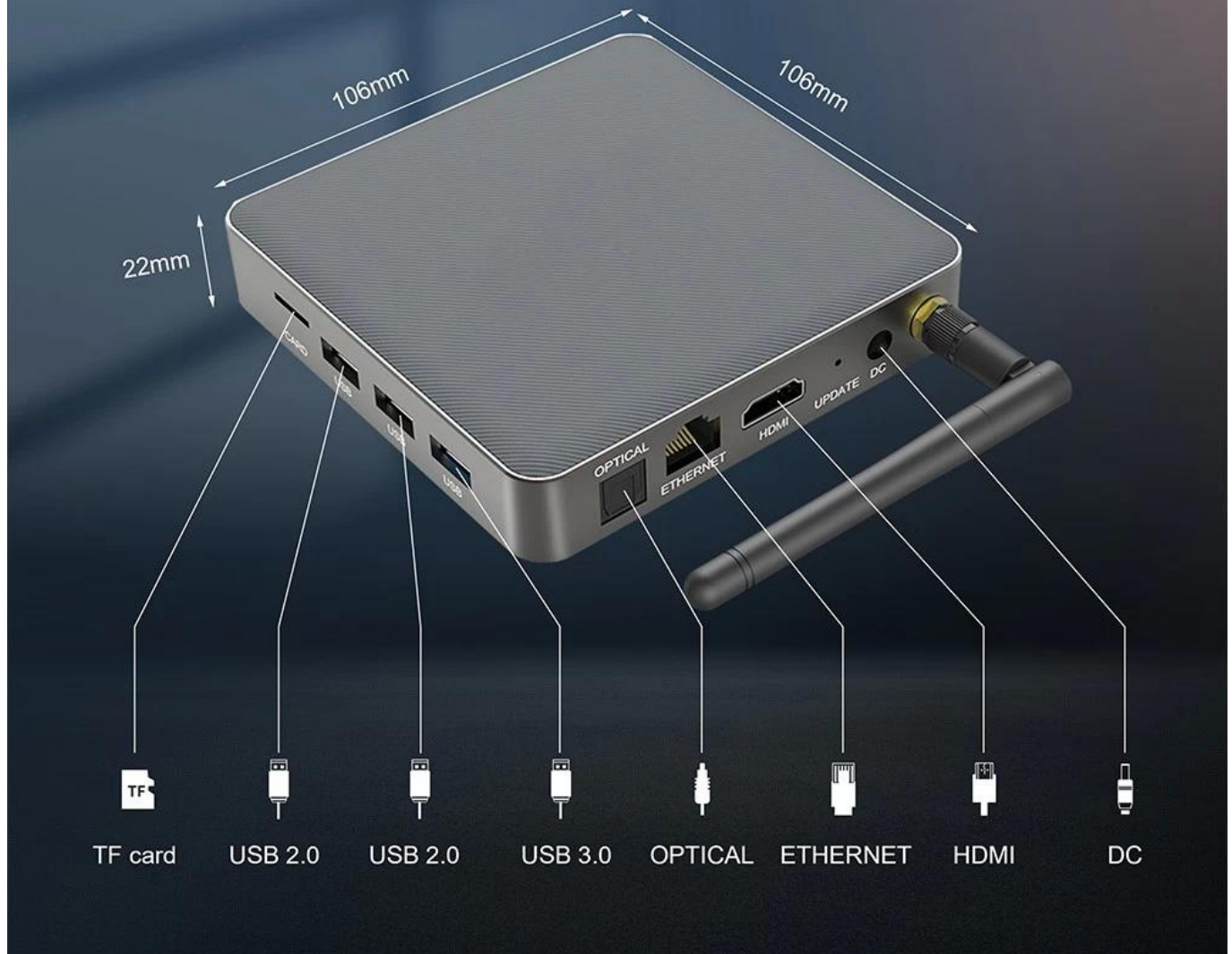to surf the Internet

# Linux        3

Linux system can switch desktop wallpaper according to your needs

**Product Specification**

Multiple interfaces facilitate connecting more devices

106mm  106mm

22mm

TF card    USB 2.0    USB 2.0    USB 3.0    OPTICAL    ETHERNET    HDMI    DC

The Rockchip RK3566 Quad Core Linux TV Box is designed for users who demand a versatile, high-performance streaming device that delivers stunning 8K Ultra HD visuals. Powered by the robust Rockchip RK3566 processor and operating on the reliable Linux OS, this TV box is built to handle intensive applications with ease. The powerful quad-core CPU architecture enables efficient multitasking and smooth transitions between apps, ensuring you experience no lag or delay while streaming or gaming.

Equipped with 4GB RAM and advanced H.265 hardware decoding, this TV box supports high-definition content up to 8K resolution, presenting every frame in vibrant color and detail. With the H.265 decoding, the device reduces bandwidth usage while maintaining the highest quality in visuals, offering clear and lifelike imagery even at lower internet speeds. This feature is especially beneficial for users in areas where internet speed fluctuates, ensuring uninterrupted streaming experiences.

One of the standout features of the Rockchip RK3566 Linux TV Box is its support for WiFi 6, a game-

changer in connectivity. WiFi 6 offers faster data transfer rates, improved bandwidth, and reduced interference, providing a seamless online experience that's ideal for high-definition streaming and downloading large files. Say goodbye to buffering and enjoy smoother, lag-free streaming sessions whether you're watching a movie, listening to music, or using online apps.

In terms of functionality, the Linux OS brings a stable and secure environment, which is highly customizable for advanced users. This open-source operating system is especially beneficial for those interested in using the device as a multimedia center or exploring various applications beyond just entertainment. Linux offers robust performance and higher flexibility, making this TV box suitable for both casual users and tech enthusiasts who value control over their device's capabilities.

With multiple ports, including USB 3.0, USB 2.0, HDMI, and Ethernet, this device is equipped to support numerous peripheral devices, ensuring easy integration into any home or commercial setting. The HDMI port provides a straightforward connection to TVs or monitors, delivering 8K Ultra HD visuals directly to your screen. Additionally, the Ethernet port offers a stable wired connection option, ideal for environments where a constant internet connection is crucial.

Built for durability, the Rockchip RK3566 [TV Box](#) combines high-quality hardware with a sleek, compact design that fits effortlessly into any setup. Its compact design ensures it won't take up much space, while the solid build quality adds to its long-term reliability. This device is perfect for users who want a combination of high-end entertainment, powerful performance, and flexibility in one compact package.

Whether you're streaming 8K videos, playing games, or using it as a media server, the Rockchip RK3566 Quad Core Linux TV Box is a versatile and efficient device that meets modern streaming demands. For those who seek an ultra-high-definition experience with the flexibility of Linux, this device is an ideal choice for enhancing any media setup.