

TV Box with Rockchip RK3588 Android 12 Octa Core

Specifications

Model No.	Rockchip RK3588 Octa Core TV Box
CPU	Rockchip RK3588 8nm process, quad-core Cortex-A76 + quad-core Cortex-A55
GPU	ARM Mali-G610 MC4 OpenGL ES 1.1/2.0/3.1/3.2 Vulkan 1.1, 1.2 OpenCL 1.1,1.2,2.0 Embedded high performance 2D image acceleration module
NPU	6 TOPS (Supports int4/int8/int16/FP16/BF16/TF32)
RAM	4GB/8GB (64bit LPDDR4/LPDDR4x)
ROM	32G/64G/128G/256G (eMMC5.0/ 5.1)
WiFi	Type IEEE 802.11a/b/g/n/ac/ax Frequency Wi-Fi6 2.4GHz/5.8GHz (PCIe v3.0) Antenna Type 2T2R
OS	Android 12 and Multi-Language
Bluetooth	Bluetooth 5.0

Video&Audio CODEC

Video Codec	<ul style="list-style-type: none">* Real-time video decoder of MPEG-1,MPEG-2,MPEG-4,H.263,H.264,H.265,VC-1,VP9,VP8 MVC,AV1* MMU Embedded* Multi-channel decoder in parallel for less resolution* H.264 AVC/MVC Main10 L6.0 : 8K@30fps (7680x4320)* VP9 Profile0/2 L6.1 : 8K@60fps (7680x4320)* H.265 HEVC/MVC Main10 L6.1 : 8K@60fps (7680x4320)* AVS2 Profile0/2 L10.2.6 : 8K@60fps (7680x4320)* AV1 Main Profile 8/10bit L5.3 : 4K@60fps (3840x2160)* MPEG-2 up to MP : 1080p@60fps (1920x1088)* MPEG-1 up to MP : 1080p@60fps (1920x1088)* VC-1 up to AP level 3 : 1080p@60fps (1920x1088)* VP8 version2 : 1080p@60fps (1920x1088)
Audio Codec	<p>Video Encoder</p> <ul style="list-style-type: none">* Real-time H.265/H.264 video encoding* Support up to 8K@30fps* Multi-channel encoder in parallel for less resolution* Dual 16M Pixel ISP with HDR&3DNR <p>I2S0 with 8 channels</p> <ul style="list-style-type: none">* Up to 8 channels TX and 8 channels RX path* Audio resolution from 16bits to 32bits* Sample rate up to 192KHz* Provides master and slave work mode, software configurable* Support 3 I2S formats (normal, left-justified, right-justified)* Support 4 PCM formats (early, late1, late2, late3)* Support TDM normal, 1/2 cycle left shift, 1 cycle left shift, 2 cycle left shift, right shift mode serial audio data transfer* I2S, PCM and TDM mode cannot be used at the same time

I/O Port

Power Supply	DC 12V/2A Power ON: Blue
RTC	Support
IR	Infrared + BT Voice Remote
HDMI	HDMI OUT 1:HDMI 2.1/7680x4320@60Hz HDMI OUT 2:HDMI 2.1/4096x2304@60Hz HDMI IN:HDMI 2.0/HDMI 1.4b 4K x 2K video formats(3840x2160p@24Hz/25Hz/30Hz and 4096x2160p@24Hz)
Earphone	1*3.5mm Port
Ethernet	Ethernet 1:1*1000M(RGMII) Ethernet 2:1*1000M

TF Card

1*TF Card

USB port

2*USB 2.0 (Host)

1*USB3.0 (Host)

Type-C

1*Type C 3.0 (Download Port) Supported Devices



Rockchip RK3588

Next generation Octa-Core processor with high performance AI system-on-module



8K Ultra High Quality

Unlock the potential of 8K video output and 4K video input. Rich details display to let you see the world more clearly.



4K 3840×2160



8K 7680×4320



Android 12/Linux Debian11

Compatible with Android and Linux operating systems



Multi-Screen Different Display

Enhance your viewing experience with multi-screen display.
Perfect for immersive, high-definition, multi-screen interactive scenarios.



Large Memory Capacity

Large storage capacity up to 32GB RAM and 128GB ROM, which allows you to install a wide number of applications.

RAM  4G 8G 16G 32G ROM  16G 32G 64G 128G



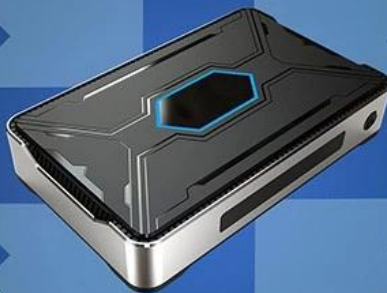
WHAT CAN WE DO?



Watch movies



Working Conference



Teaching



Play games

Interface & Dimension



Introduction

The TV Box with Rockchip RK3588 and Android 12 Octa Core processor is a game-changing device in the world of home entertainment. Engineered to meet the needs of modern users, this TV Box offers unparalleled performance, exceptional visual clarity, and seamless connectivity. Whether you're a movie buff, a gamer, or someone who enjoys streaming the latest content, this device is designed to deliver an immersive experience that takes your home entertainment to the next level.

Rockchip RK3588 Octa Core Processor

At the heart of this TV Box is the powerful Rockchip RK3588 Octa Core processor, which is built to handle the most demanding applications with ease. The eight cores work together to provide lightning-fast processing power, ensuring that everything from app launching to 8K video playback happens without any delays or interruptions. This high-performance CPU is perfect for multitasking, allowing you to switch between apps, stream videos, and play games without any noticeable slowdown.

8K Ultra HD Streaming

One of the standout features of this TV Box is its ability to support 8K Ultra HD streaming. With four times the resolution of 4K, 8K offers an unmatched level of detail and clarity, bringing every scene to life with vivid colors and sharp images. Whether you're watching the latest blockbuster or streaming a nature documentary, the Rockchip RK3588-powered TV Box ensures that you see every detail in stunning clarity. The advanced GPU also enhances the visual experience, making it ideal for gamers who demand high frame rates and smooth graphics.

Android 12 Operating System

Running on the latest Android 12 OS, this TV Box offers a user-friendly interface that is both intuitive and highly customizable. The operating system provides access to the Google Play Store, where you can download a vast array of apps, from popular streaming services like Netflix and Hulu to games, social media, and productivity tools. Android 12 also brings enhanced security features, ensuring that your data is protected while you enjoy your favorite content.

WiFi 6 Connectivity

To complement its powerful processing capabilities and high-definition streaming, the TV Box is equipped with WiFi 6 technology. WiFi 6 offers faster data transfer speeds, greater capacity, and lower latency compared to previous WiFi standards, making it ideal for households with multiple devices connected to the network. This advanced connectivity ensures that your streaming experience is smooth and uninterrupted, even in busy environments where several devices are using the same network. Whether you're streaming 8K content, downloading large files, or engaging in online gaming, WiFi 6 provides the stable and fast connection you need.

Versatile and Easy to Use

Beyond its impressive technical specifications, the TV Box with Rockchip RK3588 is designed for ease of use. Its sleek and compact design allows it to fit seamlessly into any home entertainment setup, while its intuitive interface makes it easy to navigate and customize to your preferences. The device also features multiple connectivity options, including USB ports, HDMI outputs, and Bluetooth support, allowing you to connect various external devices such as game controllers, keyboards, and storage drives. This versatility makes the TV Box a comprehensive entertainment hub that caters to all your needs.

Conclusion

In conclusion, the [TV Box](#) with Rockchip RK3588 Android 12 Octa Core processor is an exceptional device that offers everything you need for a premium home entertainment experience. Its powerful processing capabilities, support for 8K Ultra HD streaming, and advanced connectivity features make it a top choice for anyone looking to upgrade their TV setup. Whether you're streaming, gaming, or simply browsing the web, this TV Box ensures that you do so with the utmost speed, clarity, and convenience. Upgrade your home entertainment system today and experience the future of streaming with the Rockchip RK3588-powered TV Box.