

Rockchip RK3588

芯片	Rockchip RK3588
制程	8nm
CPU	Cortex-A76 / 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
AI算力	6 TOPS (int4/int8/int16/FP16/BF16/TF32)
内存	4GB/8GB LPDDR4/LPDDR4x
存储	32G/64G/128G/256G eMMC5.0/5.1
网络	IEEE 802.11a/b/g/n/ac/ax
无线	Wi-Fi6 2.4GHz/5.8GHz PCIe v3.0
接口	2T2R
OS	Android 12
其他	5.0

视频编解码	<ul style="list-style-type: none"> * MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8 MVC, AV1 * MMU * 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 8/10bit L5.3 4K@60fps (3840x2160) * MPEG-2 MP 1080p@60fps (1920x1088) * MPEG-1 MP 1080p@60fps (1920x1088) * VC-1 AP 3 1080p@60fps (1920x1088) * VP8 2 1080p@60fps (1920x1088) * H.265/H.264 8K@30fps * 1600 ISP HDR&3DNR
音频编解码	<ul style="list-style-type: none"> I2S 8 * 8 TX 8 RX * 16 32 * 192KHz * 3 I2S * 4 PCM (early, late1, late2, late3) * TDM 1/2 1 2 * I2S PCM TDM

电源	DC 12V/2A
蓝牙	BT
HDMI	<ul style="list-style-type: none"> HDMI 1 HDMI 2.1/7680x4320@60Hz HDMI 2 HDMI 2.1/4096x2304@60Hz HDMI HDMI 2.0/HDMI 1.4b 4K x 2K 3840x 2160p@24Hz/25Hz/30Hz
接口	1*3.5mm
网络	1*1000M (RGMII)
TF	2*1000M
USB	1*TF
USB	2*USB 2.0
C	1*USB3.0
C	1*Type C 3.0



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



WiFi 6

WiFi6 is faster and has a larger capacity

WiFi 5 3.5Gbps

WiFi 6 9.6Gbps

2T2R 802.11 ax/ac/a/b/g/n



BT 5.0



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



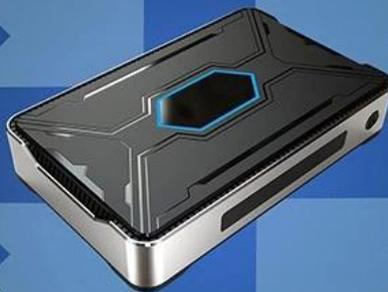
WHAT CAN WE DO?



Watch movies



Working Conference



Teaching



Play games

Android 12

RK3588 Android 12 Google Play

WiFi 6

RK3588 WiFi 6 8K WiFi 6

Rockchip RK3588 USB HDMI 2.1

Rockchip RK3588 8K Android 12 WiFi 6 RK3588