

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
图像处理	<ul style="list-style-type: none"> I2S0 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
尺寸	1*3.5mm
网络	1*1000M (RGMII)
TF	2*1000M
USB	1*TF
USB	2*USB 2.0
USB	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

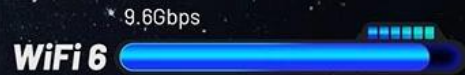
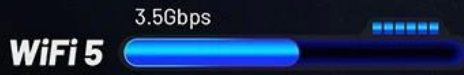


8K 7680×4320



WiFi 6

WiFi6 is faster and has a larger capacity



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



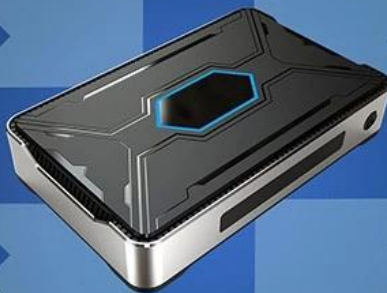
WHAT CAN WE DO?



Watch movies



Working Conference



Teaching



Play games

Interface & Dimension



Rockchip RK3588

Rockchip RK3588 8K 4GB RAM

8K

RK3588 8K 8K

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