

# Rockchip RK3588

芯片	Rockchip RK3588
制程	Rockchip RK3588 8nm
CPU	Cortex-A76
GPU	Cortex-A55
AI算力	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
ISP	2D
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

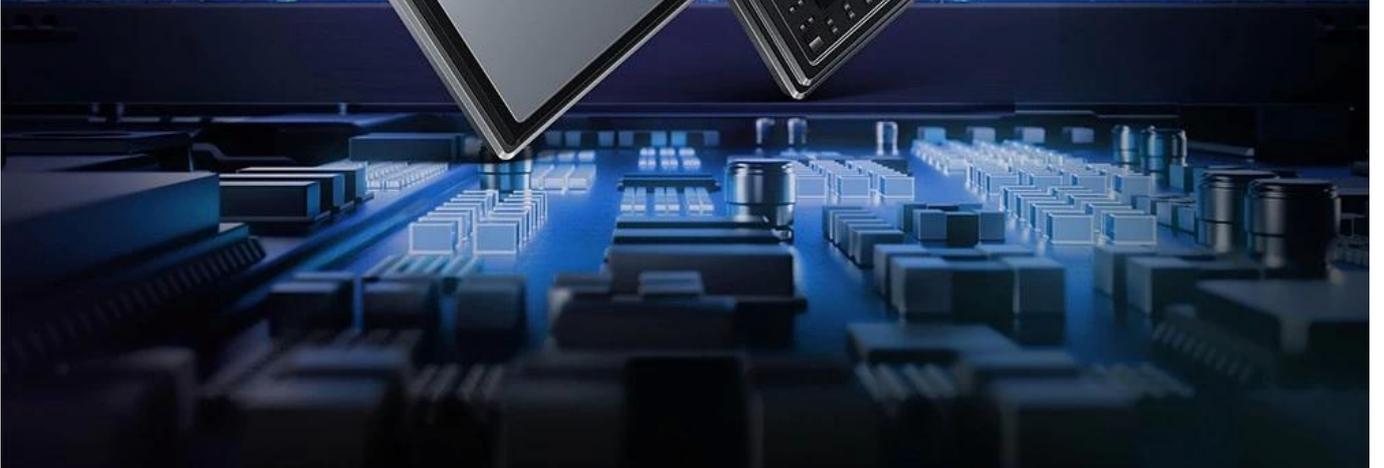
视频编解码	<ul style="list-style-type: none"> <li>* MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8 MVC, AV1</li> <li>* MMU</li> <li>* H.264 AVC/MVC Main10 L6.0 8K@30fps (7680x4320)</li> <li>* VP9 Profile0/2 L6.1 8K@60fps (7680x4320)</li> <li>* H.265 HEVC/MVC Main10 L6.1 8K@60fps (7680x4320)</li> <li>* AVS2 Profile0/2 L10.2.6 8K@60fps (7680x4320)</li> <li>* AV1 8/10bit L5.3 4K@60fps (3840x2160)</li> <li>* MPEG-2 MP 1080p@60fps (1920x1088)</li> <li>* MPEG-1 MP 1080p@60fps (1920x1088)</li> <li>* VC-1 AP 3 1080p@60fps (1920x1088)</li> <li>* VP8 2 1080p@60fps (1920x1088)</li> <li>* H.265/H.264 8K@30fps</li> <li>* 1600 ISP HDR&amp;3DNR</li> <li>I2S 8</li> <li>* 8 TX 8 RX</li> <li>* 16 32</li> <li>* 192KHz</li> <li>* 3 I2S</li> <li>* 4 PCM early/late1/late2/late3</li> <li>* TDM 1/2 1 2</li> <li>* I2S PCM TDM</li> </ul>
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电源	DC 12V/2A
蓝牙	BT
HDMI	<ul style="list-style-type: none"> <li>HDMI 1 HDMI 2.1/7680x4320@60Hz</li> <li>HDMI 2 HDMI 2.1/4096x2304@60Hz</li> <li>HDMI 3 HDMI 2.0/HDMI 1.4b 4K x 2K 3840x 2160p@24Hz/25Hz/30Hz</li> <li>4096x2160p@24Hz</li> </ul>
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

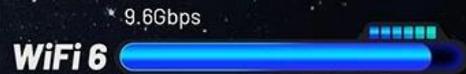


8K 7680×4320



# WiFi 6

WiFi6 is faster and has a larger capacity



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



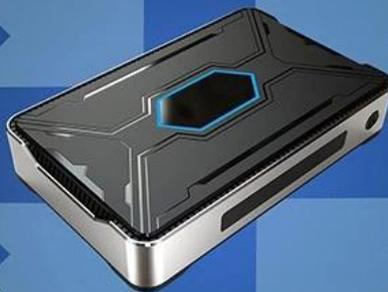
# WHAT CAN WE DO?



Watch movies



Working Conference



Teaching



Play games



## Android 12

Rockchip RK3588 Android 12 Google Play

## WiFi 6

Rockchip RK3588 WiFi 6 8K USB HDMI 2.1

Rockchip RK3588 Android 12

Rockchip RK3588 8K Android 12