

Rockchip RK3588 Android 12 Octa Core

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| Rockchip RK3588 8 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 |
| ISP | 2D/3D/4K/8K/1080p/4320p |
| Display | 6 Display (int4/int8/int16/FP16/BF16/TF32) |
| RAM | 4GB/8GB (64 LPDDR4/LPDDR4x) |
| Storage | 32G/64G/128G/256G (eMMC5.0/ 5.1) |
| Network | IEEE 802.11a/b/g/n/ac/6E |
| Connectivity | Wi-Fi6 2.4GHz/5.8GHz (PCIe v3.0) |
| OS | Android 12 |
| OS Version | 5.0 |

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| 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) | |
| VP9/2 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 8/10 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 | |
| ISP 16M HDR&3DNR | |
| I2S0 8 | |
| 8 TX 8 RX | |
| 16 32 | |
| 192KHz | |
| 3 I2S (early, late1, late2, late3) | |
| 4 PCM (early, late1, late2, late3) | |
| TDM 1/2 1 2 | |
| I2S, PCM TDM | |

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|---|--|
| DC 12V/2A | |
| BT | |
| 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 (3840x2160p@24Hz/25Hz/30Hz) 4096x2160p@24Hz | |
| 1*3.5 | |

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□□□□ TF

□□□□ USB

□□□□□-C

□□□□□□□□□□ 1:1*1000M(RGMII)

□□□□□□□□□□ 2:1*1000M

1 * □□□□ TF

2*□□□□□□□□ 2.0 (□□□□□)

1 * USB3.0 (□□□□□)

1 * □□□□□□□□□□□□□□□□□□□□ Type C 3.0 (□□□□□□□□□□□□□□)



CPU

Quad Core A76
Quad Core A55

GPU

Mali-G610 MP4

8K

Video Codec

H.265

HEVC

OS

Android 12
Linux Debian11

WiFi

WiFi6

BT

5.0

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

8K
CPU
8K Ultra HD

8K Ultra HD

TV Box 8K Ultra HD
4K 8K
Rockchip RK3588
GPU

Android 12

TV Box Android 12
Google Play Store
Netflix Hulu
Android 12

WiFi 6

TV Box
WiFi 6 WiFi 6
WiFi

WiFi 6

TV Box Rockchip RK3588
USB, HDMI
Bluetooth
TV Box

