

Rockchip RK3588 8K 4 6G 16GB TV Box

Chipset

Processor	Rockchip RK3588 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
NPU	6 int4/int8/int16/FP16/BF16/TF32
RAM	4 (64) LPDDR4/LPDDR4x
ROM	32 256 / 128 / 64 (eMMC5.0/ 5.1)
WiFi	IEEE 802.11a/b/g/n/ac/ax Wi-Fi6 2.4 5.8 (PCIe v3.0)
Bluetooth	2T2R
USB	12 5.0

Video Support

- * H.264 AVC/MVC Main10 L6.0: 8K 7680) 30 (x4320)
- * H.265 HEVC/MVC Main10 L6.1: 8K@60 7680) 60 (x4320)
- * AV1 8/10 L5.3: 4K x 3840) 60 (2160)
- * MPEG-2 MP: 1080p@60fps (1920x1088)
- * MPEG-1 MP: 1080p@60fps (1920x1088)
- * VC-1 AP 3: 1080 1088 x 1920) 60 (1080 :2)
- * VP8 (1088 x 1920) 60 (1080 :2)
- * H.265/H.264 8K @ 30
- * HDR 3DNR

Audio Support

- I2S 8 TX 8 RX
- * 32 16
- 192
- * I2S ((3 1)
- * PCM ((3 2 1 1/2
- * I2S PCM TDM

Other Features

RTC	2/12
BT	BT

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□□□□ HDMI 1: HDMI 2.1/7680x4320 □□□□ 60 □□□□

□□□□ HDMI 2: HDMI 2.1/4096x2304 □□□□ 60 □□□□

□□□□ HDMI: □□□□□□ □□□□□□□□ HDMI 2.0/HDMI 1.4b 4K x 2K (3840x 2160p@24 25/□□□□
4096□ □□□□ 30/□□□□□x2160p@24 □□□□)

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□ 1000*1:1 □□□□□□ (RGMII)

□ 1000*2:1 □□□□□□

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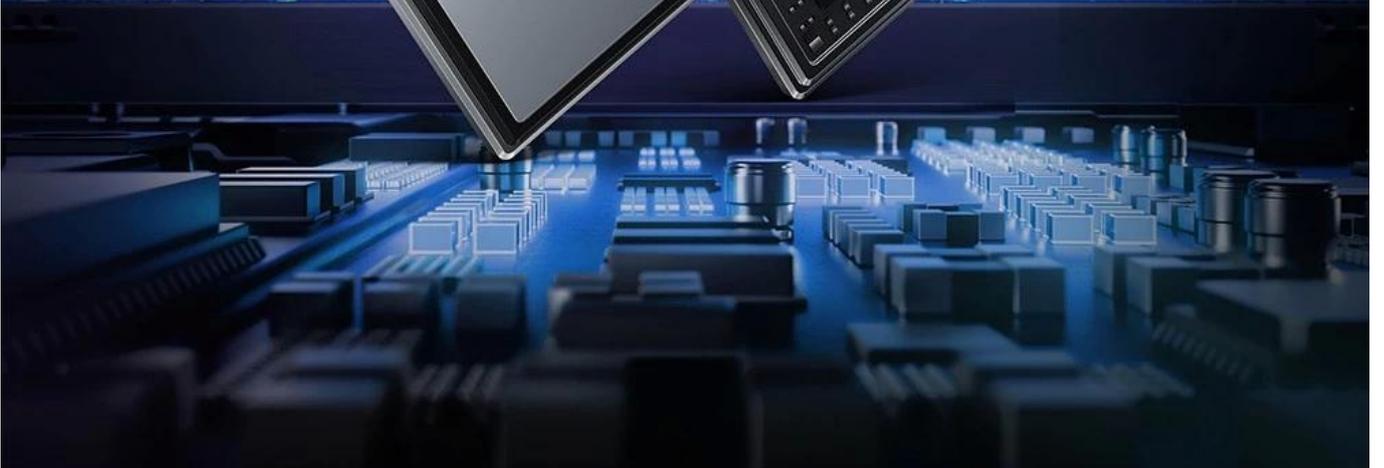
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Rockchip RK3588

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



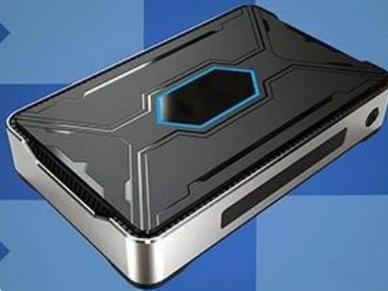
WHAT CAN WE DO?



Watch movies



Working Conference



Teaching



Play games

