

Rockchip RK3588

Processor

Processor	Rockchip RK3588 8-core processor
CPU	Rockchip RK3588 8-core processor, Quad-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
AI	2D/3D acceleration
Cache	6-core (int4/int8/int16/FP16/BF16/TF32)
RAM	4GB/8GB (64-bit LPDDR4/LPDDR4x)
Storage	32G/64G/128G/256G (eMMC5.0/5.1)
Connectivity	IEEE 802.11a/b/g/n/ac/6E, Wi-Fi 6 2.4GHz/5.8GHz (PCIe v3.0)
OS	Android 12
Version	5.0

Media

Media	<p>MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8 MVC, AV1 MMU</p> <p>H.264 AVC/MVC Main10 L6.0 : 8K@30fps (7680x4320)</p> <p>VP9/2 L6.1 : 8K@60fps (7680x4320)</p> <p>H.265 HEVC/MVC Main10 L6.1 : 8K@60fps (7680x4320)</p> <p>AVS2 Profile0/2 L10.2.6 : 8K@60fps (7680x4320)</p> <p>AV1 8/10 L5.3 : 4K@60fps (3840x2160)</p> <p>MPEG-2 MP : 1080p@60fps (1920x1088)</p> <p>MPEG-1 MP : 1080p@60fps (1920x1088)</p> <p>VC-1 AP 3 : 1080p@60fps (1920x1088)</p> <p>VP8 2 : 1080p@60fps (1920x1088)</p> <p>H.265/H.264 8K@30fps</p> <p>ISP 16M HDR&3DNR</p> <p>I2S0 8 TX 8 RX</p> <p>16 32 192KHz</p> <p>3 I2S (early, late1, late2, late3)</p> <p>4 PCM (early, late1, late2, late3)</p> <p>TDM 1/2 1 2</p> <p>I2S, PCM TDM</p>
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Power/IO

Power	DC 12V/2A
IO	BT
HDMI	<p>HDMI OUT 1: HDMI 2.1/7680x4320@60Hz</p> <p>HDMI OUT 2: HDMI 2.1/4096x2304@60Hz</p> <p>HDMI IN: HDMI 2.0/HDMI 1.4b 4K x 2K (3840x2160p@24Hz/25Hz/30Hz) 4096x2160p@24Hz</p>
Other	1*3.5
Other	1:1*1000M(RGMII)
Other	2:1*1000M
Other	1 * TF

USB

2* 2.0

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

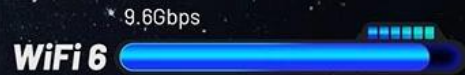
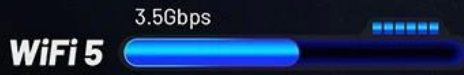


8K 7680×4320



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



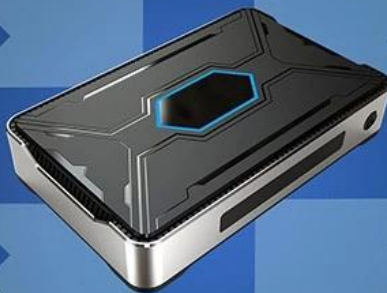
WHAT CAN WE DO?



Watch movies



Working Conference



Teaching



Play games

Interface & Dimension



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Rockchip RK3588 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

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XX Smart TV

XX 8K

Ultra HD XXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX

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RK3588 XXX

XXXXXXXXXXXX **Octa Core** XXXXXXXXXXXXXXX

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Rockchip RK3588 8K Ultra HD Android 12 WiFi 6 Smart TV

8K Ultra HD

Rockchip RK3588 8K Ultra HD Android 12 WiFi 6 Smart TV

Android 12

Rockchip RK3588 Android 12 Google Android 12 Google Play Store Smart TV

WiFi 6

Rockchip RK3588 WiFi 6 WiFi 6 8K Smart TV USB, HDMI 2.1 Bluetooth

Rockchip RK3588 Android 12

Rockchip RK3588 Android 12 RK3588

