MediaTek Helio P95

Premium AI performance & Boosted Gaming Experiences

MEDIATEK

The MediaTek Helio P95 features a high-performance mix of octa-core of Arm Cortex-A75 and -A55 CPUs with large L3 cache. The IMG PowerVR GM 9446 GPU has been boosted 10% over the previous generation, enhancing gaming performance even further.

The P95 features an APU 2.0 (AI processing unit) that achieves a 10% increase in benchmark performance versus the previous generation, making it one of the most powerful AI processing engines available for 4G smartphones.

MediaTek HyperEngine game technology goes beyond the chip and tunes the whole smartphone, providing intelligent networking, rapid touchscreens and vivid visuals that ensures users always get fast and smooth action in games.

The P95 incorporates a triple ISP with 14-bit RAW and 10-bit YUV processing with exceptional power efficiency, supporting large 64MP cameras, extensive multi-camera options and

AI-camera enhancements like AI-NR. Portrait (bokeh) capture benefits from the high-performance hardware depth engine that's 6X faster and 2.25X higher resolution than direct alternatives.

Dual 4G SIM enables more reliable coverage and consistent user experience, plus VoLTE/ViLTE services that provide the best possible call and live video experience, with faster call setup time and noticeably better sound quality. The SoC integrated 4G LTE WorldMode modem supports 4x4 MIMO, 3CA and 256QAM and worldwide cellular IMS, global eMBMS and HPUE.

Premium AI-Camera

- 5-person human pose tracking
- Full body avatar AR
- 3D pose tracking
- Multiple object and scene identification
- AR/MR acceleration
- AI depth engine
- AI-NR low-light photography

MediaTek CorePilot

- Sustainable high performance at low-power
- Thermal Monitoring
- UX Monitoring
- Energy Awareness

MediaTek HyperEngine

- Intelligent, ultra-fast prediction of Wi-Fi & LTE usage
- Faster response between smartphone and cell-tower
- Defer calls without dropping the data connection
- 60% shorter GPU rendering-to-display pipeline
- Low latency touchscreen input
- Improved contrast, texture sharpness and image fine detail
- HDR visuals & true colors
- Intelligent, dynamic management of CPU, GPU and memory
- Smooth performance in sustained high-load situations

MediaTek Helio P95

AI	Enhanced MediaTek APU 2.0
CPU	Octa-Core: 2x ARM Cortex-A75 up to 2.2GHz; 6x ARM Cortex-A55 up to 2.0GHz
GPU	IMG PowerVR GM 9446 GPU
Memory	LPDDR4x up to 8GB, 1866MHz
Storage	UFS 2.1
Camera	64MP or 24+16MP
Display	2520 x 1080 (Full HD+) at 21:9
Modem	4G LTE Cat 12 (DL) / Cat-13 (UL) (FDD/TDD), 4x4 MIMO, 3CA, 256QAM, HUPE, IMS (VoLTE\ViLTE\WFC), eMBMS, Dual 4G VoLTE (DSDS), Band 71, TAS 2.0
Connectivity	Wi-Fi 5 (802.11 a/b/g/n/ac), Bluetooth 5.0, Multi-GNSS options, FM radio
MediaTek Technologies	MediaTek HyperEngine, CorePilot, NeuroPilot, Pump Express

Enhanced AI Processor

- Efficient multi-core, multi-threaded AI processing unit
- 10% ETHZ benchmark score boost versus P90

Highly Capable Camera System

- 64MP Capture
- 32MP @ 30FPS
- 16MP @ 120FPS
- 24+16MP dual camera
- Single or dual camera bokeh (DoF)
- Hardware depth engine