Huawei P70 Concept Optical Module



Overview

Huawei P70 series is emerging in new concept renders, revealing changes in the camera module and design aesthetics.

Key Takeaways

The Huawei P70 concept optical module features a triangular multi-lens arrangement with advanced sensors, including a 50MP OV50H or Sony IMX989 main camera, ultra-wide and telephoto lenses, and innovative 1G6P lens technology.

Design and Layout

The Huawei P70 series concept renders reveal a triangular rear camera module with three or four lenses arranged in a triangular formation, accompanied by an LED flash and XMAGE branding on the left side of the central sensor. The design reflects a continuation of Huawei's Rococo aesthetic, with curvy edges and a square-shaped optical bump for the base P70 model, while Pro and Art variants may feature slightly larger or more advanced modules. The front display is expected to have a dual punch-hole design on a flat screen with curved sides.

Camera Specifications

The P70 series is rumored to include multiple high-end sensors: Primary Camera: 50MP OmniVision OV50H with variable aperture for the base P70, or 50MP Sony IMX989 1-inch sensor for Pro and Art models, supporting OIS and higher optical/digital zoom.

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Ultra-

Wide Lens: 50MP with a 1-inch sensor in some models, enhanced by 1G6P lens technology (one glass, six plastic elements) for improved clarity and reduced distortion. Telephoto Lens: 50MP with 4x optical zoom, capable of capturing distant subjects with high detail. Portrait Lens: 12MP for natural skin tones and background blur effects.

The module integrates advanced sensor technologies to optimize light capture, color accuracy, and focus, ensuring superior image quality even in complex lighting conditions.

Optical Innovations

Huawei is reportedly using 1G6P hybrid lenses in the ultra-wide camera, combining one glass element with six plastic elements to enhance optical performance while maintaining a compact form factor. The main camera supports physically variable aperture, allowing better control over depth of field and low-light performance. The P70 Pro and Art models are expected to push the boundaries of smartphone photography with 1-inch sensors, offering exceptional detail and dynamic range.

Summary

The Huawei P70 concept optical module represents a significant evolution over the P60 series, combining triangular lens arrangements, high-resolution sensors, advanced lens technology, and variable aperture capabilities. These innovations aim to deliver professional-grade photography, improved low-light performance, and versatile shooting options, positioning the P70 series as a flagship imaging device in Huawei's lineup.

Article Content

Recent leak floods new Huawei P70 series concept

Huawei P70 series is emerging in new concept renders, revealing changes in the camera module and design aesthetics. While the overall outlook

Huawei P70 revealed again with two new camera module designs

In the latest news, two camera module designs of the P70 are exposed: one is a rounded rectangular module, the size is much wider than the previous generation P60, and the three lenses are arranged

Huawei P70 Protective Case Leak Hints at Triangular

Now, a leak of the phone''s protective cover has hinted at the camera module of the Huawei P70. The purported handset is expected to come with a

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Alleged Huawei P70 render shows square-shaped rear

Huawei P70 series has finally shown up in a render leak, reflecting significant changes in the rear camera module. It seems as if the tech giant will

Huawei P70 module supplier expands capacity, CMOS ...

As a company that can challenge Apple, Huawei''s camera module costs are estimated to account for about 19% of its total cost. In addition, with the slowdown in smartphone innovation, the

Huawei P70 Concept Optical Module

Kuo indicates that Genius Electronic Optical will be supplying Huawei with an upgraded ultra-wide angle camera module for the P70 series. While the overall outlook is eye-catching, it reflects how the

Huawei P70 will have an upgraded ultrawide angle camera

Analyst Ming-Chi Kuo shared that Genius Electronic Optical will supply the upgraded ultrawide angle camera module to Huawei for the P70 series.

Huawei P70 Pro Concept: 5.5G, 7200mAh, and 200MP Camera

Notably, the camera module has undergone significant improvements, redefining the concept of an image machine king. The rear camera module of the Huawei P70 Pro boasts a top

Huawei P70 Camera Module Design Revealed in Leaked Photos

Following the event, several photos of the back of the Huawei P70 began to emerge online. These images showcase a triangular camera module design featuring three cameras, one

The Huawei P70 is rumored to feature a 1-inch sensor

Analyst Ming-Chi Kuo shared that Genius Electronic Optical will supply the upgraded ultra-wide angle camera module to Huawei for the P70 series. The

Huawei P70 Pro Concept: 300MP Cameras, HarmonyOS 4.0, and More

Consumers have adored Huawei P70 Pro since its release, leading to a remarkable market share increase and a staggering 78.1% surge in sales volume.

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

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Huawei P70 to feature in-display optical fingerprint ...

Huawei is gathering optical fingerprint supplies for the P70 series, indicating early preparations for the flagship''s distribution.

Huawei P70 Pro Concept: Next Generation of Smartphone Photography

Recently exposed rendering design of the next-generation Huawei P70 Pro. Huawei dares to be bold and confident when it comes to industrial design.

Huawei Patent Shows New Optical Module With Improved

Explore technical resources about outdoor telecom cabinets, SFP optical modules, industrial switches, base station energy management, emergency communication networks, and outdoor fiber access.

Huawei P70 features optical fingerprint scanner ...

Industry supply chain sources revealed that suppliers of the under-screen optical fingerprint scanner module of the Huawei Mate 60 series have increased the price by 15-20%, while

Future All-optical Network Architecture and Key Technologies

Evolving towards the 2030 optical communications network system and architecture is a key issue facing the optical communications industry and requires viable technical options for building future

Huawei P70 Art Camera Module Leaked Via Render, Tipped to Offer ...

Huawei P70, Huawei P70 Pro and Huawei P70 Art are set to be officially unveiled this month if recent leaks are to be believed. Huawei has yet to disclose any details about the Huawei

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