

Redmi has successfully tested the fingerprint sensor under the LCD screen

The fingerprint sensor technology under the LCD screen will soon be applied to future Redmi products, of which the first device may be the Redmi K30 Pro.

Recently, Lu Weibing - vice president of Xiaomi group and general manager of Redmi brand, has just published a new article on Weibo, thereby revealing the remarkable breakthrough that the research and development team of the company has achieved in recent years.

Specifically, the Chinese manufacturer has successfully tested the fingerprint sensor technology integrated below the LCD screen. Currently, this technology is only available on OLED screens, so this is really a remarkable achievement in the field mentioned above.



To have a smartphone with a full-screen design, thinner bezels, but retaining important biometric security features, manufacturers have worked tirelessly to research and develop more. Many new technologies.

While most manufacturers put the fingerprint sensor on the back, others integrate it into the physical button on the side. Although Apple is a leader in the application of 3D facial recognition technology, at the present time, most Android smartphone manufacturers have turned to fingerprint sensors integrated under the screen.



The in-display fingerprint sensor technology was first introduced in 2018, is one of the common features on high-end and mid-range smartphone models launched in the past year.

However, this technology has so far only been used on OLED panels. The main reason is because LCD panels do not allow light to pass through the screen, making the sensors below cannot function properly. In the latest announcement, Lu Weibing said, however, that Redmi's R&D team has overcome this problem and is ready for mass production.

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According to Redmi, the company has achieved this success by using infrared in combination with high-transmittance film material, allowing light to pass through the screen and allowing the sensor to read the user's fingerprints. .

BOE has previously stated that they have found a way to place the fingerprint sensor under the LCD screen, but it seems that Redmi will be the first smartphone manufacturer in the world to apply this technology on products. future trade in which the first devices could be the Redmi K30 Pro or the Redmi Note 9.

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