

iPhone 12 Highlights

iPhone 12 is upgraded in screen, camera, 5G connectivity, and unique accessories using MagSafe features.

1. Best iPhone screen ever

iPhone 12 Pro Max is the iPhone with the largest screen ever, 6.7 inches. The resolution of the screen has never been achieved by any iPhone, more than 3.5 million pixels. The Super Retina XDR display with an OLED panel also promises brilliant colors, deep blacks.

In addition, the screens of all iPhone 12 models are protected by Ceramic Shield, which is 4 times more rugged than normal and drop performance.

2. Current best camera



The foundation of the iPhone 12 camera is the new Apple A14 Bionic processor, with a completely new image signal processor. The iPhone 12 Pro's camera has a 7-element lens, with an aperture of $f/1.6$, for the fastest shooting speed ever. This camera increases the ability to capture dark by 27% compared to before.

The iPhone 12 Pro Max's camera is even better, with a 47% increase in camera sensor size, increasing night-time shooting and video performance by more than 70%. 120 degree wide angle camera, telephoto camera with 65mm focal length. Combined, the machine can 5x optical zoom.

In the next software update, these cameras support new ProRAW imaging features, allowing users to customize the image parameters after taking pictures.

3. The camera focuses faster in low light



Low light shots on iPhone 12 Pro will be improved.

Apple brings the latest LiDAR Scanner technology to iPhone 12 Pro devices. This technology measures the distance from the subject to the camera to calculate the depth of field (bokeh), creating more realistic bokeh than before, especially in low-light shots.

This technology also helps the camera increase the ability to focus in low light conditions by 6 times.

4. More accessories with MagSafe



New wireless charging and accessories will be included on iPhone 12.

Apple introduced MagSafe, an accessory for wireless charging and added many new accessories for the iPhone. Apple adds a magnet ring in the iPhone 12 so it attaches securely to accessories like the new wireless charger. Apple's new wireless charger has a capacity of 15W, attaches firmly to the back of the iPhone, and there is an additional charge for the Apple Watch.

With a back that can be attached to a magnet, Apple expects third-party manufacturers to have accessories to attach to the back of the iPhone 12 - a small leather wallet, for example.

5. New A14 Bionic chip

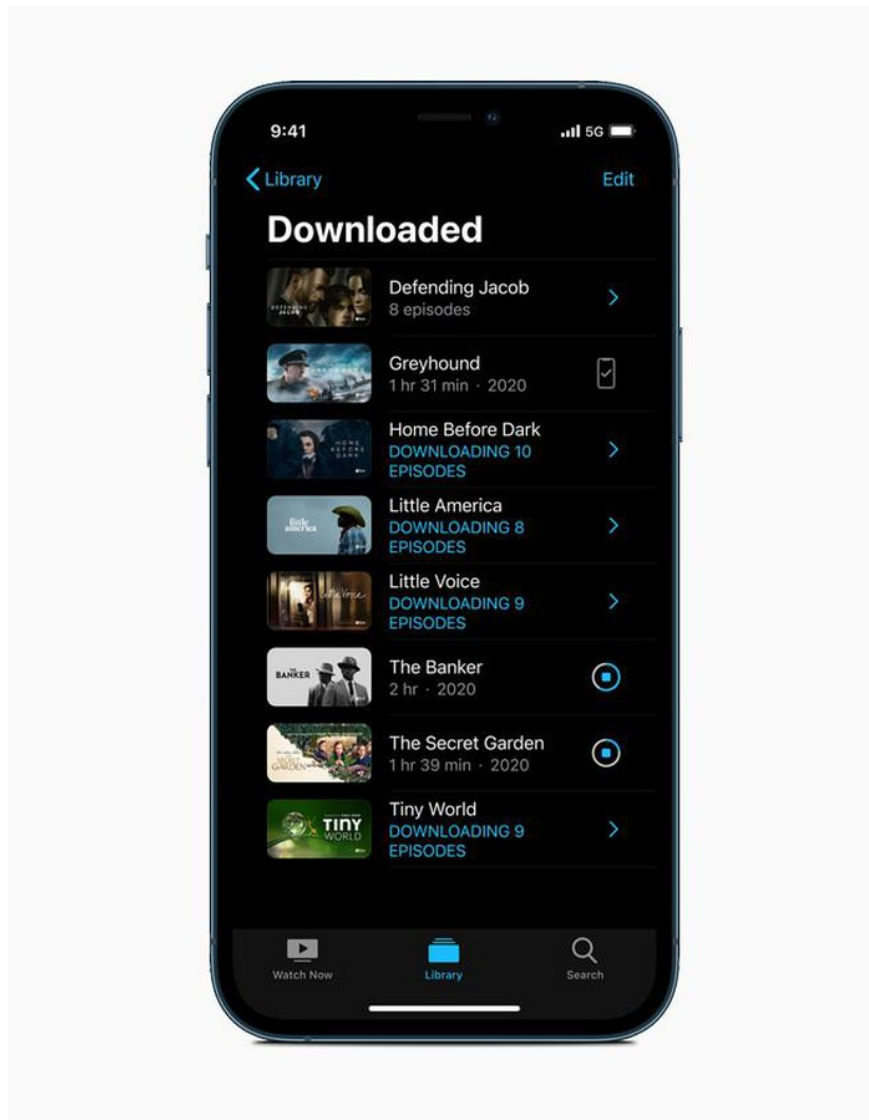


The A14 Bionic processor enhances processing capabilities, including in-camera image processing.

As the world's first smartphone processor chip produced by 5nm process, Apple proudly thinks that this is the most powerful processor on a phone today. Its CPU and GPU are said to be 50% more powerful than the strongest competitor.

With this processor, the camera and gaming on the iPhone 12 will be upgraded, with an 80% increase in performance compared to before. This processor can perform 11 trillion operations per second.

7. 5G connectivity



5G connectivity helps to download movies or stream videos faster.

Ultimately, Apple cannot ignore the 5G technology that is emerging in the world today. All iPhone 12 are integrated with this connection technology, compatible with most networks in the world. However, the two iPhone 12 Pro models will have more connectivity options. In the US, the Pro version will incorporate a mmWave connection, which has a higher frequency to help speed the connection faster.

In addition, the iPhone 12 still features IP68 water resistance, the new iOS 14 operating system.

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