

Compare super duo iPhone 12 and iPhone 12 Pro

A few days ago, Apple announced the iPhone 12 lineup with four models. While the iPhone 12 and iPhone 12 Pro will go on sale from the end of this month

iPhone 12 mini and iPhone 12 Pro Max will hit the market next month. If you are wondering how the iPhone 12 and iPhone 12 Pro are different, let's find out.

Last year, there were only a few differences between the iPhone 11 and iPhone 11 Pro models, but this year, Apple brought many of the better features to its 'Pro' version.



1. Frame texture and colors

This is an ever-present difference between Apple's 'with Pro' and 'no Pro' lineup. iPhone 12 mini and iPhone 12 have more colors, but slightly less in the frame material.



iPhone 12 mini and iPhone 12 come in 5 colors: Product (RED), White, Blue, Green and Black, but with an aluminum frame.



While the iPhone 12 Pro and iPhone 12 Pro Max come in four colors: Graphite Black, Gold Gold, Blue and Silver, but with a stainless steel frame, it feels more premium, more solid.



Screen size

Up until last year, Apple's cheapest iPhone had a 6.1-inch screen, but this year, the iPhone 12 series has four models: the 5.4-inch iPhone 12 mini, the 6.1-inch iPhone 12, the 6.1-inch iPhone 12 Pro, and the iPhone. 12 Pro 6.7 inch.



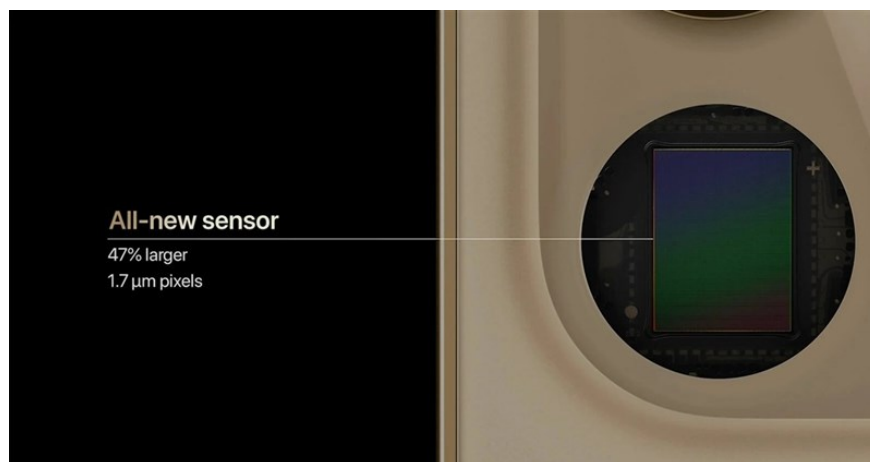
Interestingly, the iPhone 12 and iPhone 12 Pro have the same screen resolution, while the iPhone 12 mini and iPhone 12 Pro Max have different resolution due to the different size. The display also supports Dolby Vision, HDR10 and HLG.

The iPhone 12 Pro also has a maximum brightness of 800 nits, while the iPhone 12's Super Retina XDR display reaches a maximum brightness of 625 nits.

3. Add storage

Apple has increased the basic storage on the iPhone 12 Pro line to 128 GB, the next two memory versions 256 GB and 512 GB. As for the iPhone 12, it starts at 64 GB, with optional versions of 128 GB and 256 GB.

4. Larger camera sensor on Pro Max version



This only applies to the iPhone 12 Pro Max which comes with a larger 12 MP camera sensor, which features Sensor-Shift optical image stabilization, and a large 1.7-micrometer large pixel. This allows the sensor to absorb more light and is even better than the f/1.6 aperture on the iPhone 12 or iPhone 12 Pro. The stabilization is so effective that users can now take handheld shots with exposures of up to 2 seconds. Apple says that this basically allows the sensor to have one more stop of light.

5. Telephoto lens on iPhone 12 Pro

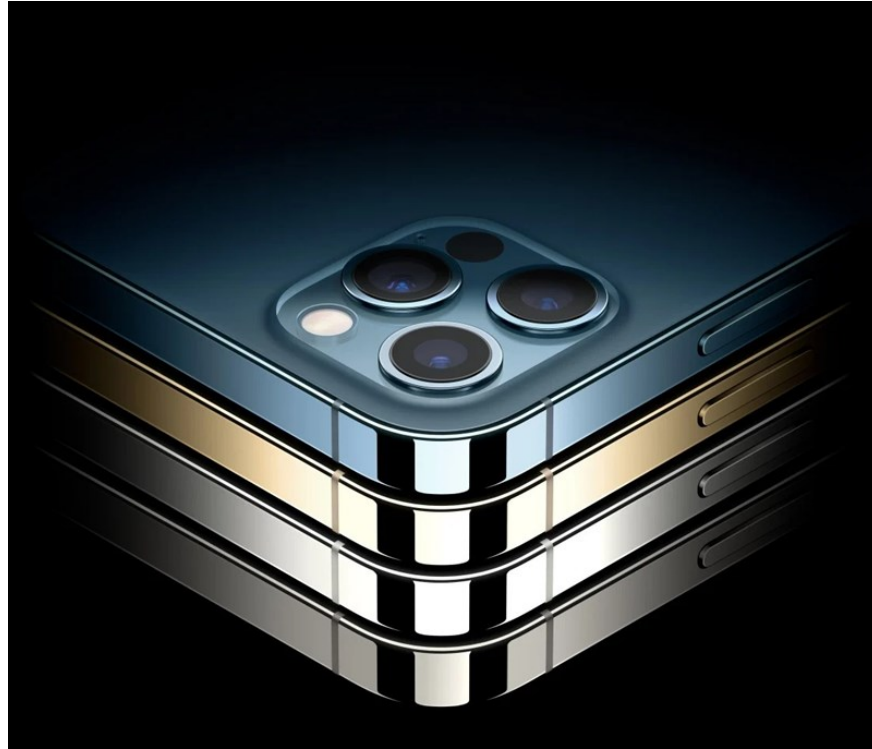
One of the main differences between the iPhone Pro lineup and Apple's non-Pro iPhone has always been in the camera setup. The iPhone 12 series has a dual-camera setup while the iPhone 12 Pro series has a triple-camera setup. While the main camera and ultra-wide angle remain the same, the iPhone 12 Pro series also has a telephoto sensor.



This time around, Apple has even improved the telephoto camera sensor. The iPhone 12 Pro Max uses a new telephoto sensor with 2.5x optical zoom. This allows the device to offer up to 12x digital zoom and better telephoto photography in low light.

6. The LiDAR scanner improves the ability to take pictures in low light

Only the iPhone 12 Pro lineup comes with the LiDAR scanner. This is the same scanner that Apple used on the iPad Pro 2020 line launched earlier this year.



The LiDAR scanner allows iPhone 12 Pro to deliver a better and richer AR experience. What's more, Apple is using the LiDAR scanner to provide up to 6x better autofocus for the camera in low-light situations. The LiDAR scanner also allows the iPhone 12 Pro and Pro Max to take portrait photos in Night mode, which is not possible on the iPhone 12.

7. ProRAW format

Apple will launch a new ProRAW image format later this year, which will utilize the iPhone's image-processing features while still providing a full range of customization possibilities for creators.

This means users will be able to take advantage of Apple's Smart HDR3 and Deep Fusion processing while still being able to control exposure, color, white balance, and other data for image processing, their liking.

8. Better battery life on iPhone 12 Pro Max version

iPhone 12 and iPhone 12 Pro offer the same battery life with up to 17 hours of video playback and 65 hours of music playback. iPhone 12 Pro Max thanks to its larger battery size, which allows it to deliver better battery life. It's rated for up to 20 hours of video playback and up to 80 hours of music playback.



Likewise, the iPhone 12 mini with a compact design comes with a smaller battery and so it doesn't last as long as the other 3 iPhones.

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