

Compare iPhone 13 Pro and iPhone 12 Pro

Apple has finally unveiled its latest flagship smartphone, the iPhone 13 Pro. Most buyers will immediately wonder how the iPhone 13 Pro and iPhone 12 Pro differ.

Please read with Tipsmake to find the answer through a comparison of these 2 smartphone models right here!

Specifications

	iPhone 13 Pro	iPhone 12 Pro
Expected price	\$999	\$999
Memory	128GB, 256GB, 512GB, 1TB	128GB, 256GB, 512GB
Screen size	6.1 inches	6.1 inches
Resolution	2532 x 1170	2532 x 1170
Adaptive refresh rate	Up to 120Hz	Do not apply
Processor	A15	A14
Rear cameras	12MP wide-angle camera (f/1.5), 12MP ultra-wide-angle camera (f/1.8), 12MP telephoto camera (f/2.8) with 3x zoom	12MP wide-angle camera (f/1.6), 12MP ultra-wide-angle camera (f/2.4), 12MP telephoto camera (f/2.0) with 2x zoom
Front camera	12MP TrueDepth Camera (f/2.2)	12MP TrueDepth Camera (f/2.2)
Colour	Graphite Black, Gold Gold, Silver Gray, Sierra Blue	Silver Gray, Graphite Black, Gold Gold, Pacific Blue
Size	14.7 x 7.1 x 0.8cm	14.7 x 7.2 x 0.74cm
Weight	204g	190g
Water resistance	IP68	IP68

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Camera



iPhone 13 Pro has an impressive 12MP camera collection, with telephoto, wide-angle and ultra-wide cameras. The exceptional ultra-wide camera has a 120-degree field of view, making it a good choice for any photographer.

There's also improvement in low light, with 3x optical zoom for both photos and videos now available. Night mode is also available on all cameras, so it's easier to shoot in low-light environments.

Macro photo is also now available on iPhone 13 Pro, helps to focus better and can magnify subjects with a minimum distance of 2cm, so it will work well for close-ups.

Apple also revealed that the Pro 13 camera has a variety of photography styles, offering the benefit of multi-frame image processing with the ability to customize video after recording.

Apple claims that recording video with the iPhone 13 Pro offers greater color fidelity, with the ability to record 4K video at 24/25/30/60fps. You can also record HDR with Dolby Vision up to 4K at 6fps, making this option one of Apple's most powerful cameras yet.

According to Apple's statement, the iPhone Pro 12 is less impressive. But based on real-life impressions, the 12 Pro still has a good camera. The iPhone 12 Pro has a 12MP sensor with a 52mm equivalent lens for 2x photos, and a 12MP wide camera.

The main camera includes Smart HDR 3 and lets in more light than the front cameras for brighter and sharper photos. The iPhone 12 Pro can also take photos in night mode but only on the main camera, which is a point where the 13 Pro has now upgraded.

When recording movies on iPhone 12 Pro, users with Dolby Vision HDR support 60fps recording, helping videos and photos with brighter colors, deeper blacks.

The iPhone 12 Pro is still an impressive camera phone, however, the iPhone 13 Pro wins in this respect, mainly due to the major updates in the specs and the inclusion of features like the iPhone 12 Pro mode. nighttime on all cameras and the ability to edit video footage even after it has been shot.

Battery life

The iPhone 13 Pro retains the Apple Lightning charger and supports Magsafe wireless technology up to 15W, as well as Qi wireless charging up to 7.5W. It has fast charging capabilities, and Apple claims the device can charge up to 50% in 30 minutes with a 20W or higher charger.

iPhone 13 Pro can also play music continuously for up to 75 hours, although actual usage time needs further testing.

Meanwhile, the iPhone 12 Pro does not support fast charging and takes half an hour to get to 50% battery using Qi charging. The iPhone 12 Pro also supports Magsafe, although it will take more than an hour to fully charge the battery.

The iPhone 12 Pro performed well in the battery life tests during the day, achieving 6 hours of continuous screen use without the battery draining.

Screen



The screen on the iPhone 13 Pro measures 6.1 inches and is made up of a Super Retina XDR display. The display is also OLED and has a resolution of 2532×1170 pixels, which is sharp enough for everyday use.

iPhone 13 Pro also has HDR and Truetone, so the phone will change the brightness to suit your environment. It's also IP68-rated, which means the phone is dustproof, and has Adaptive Refresh rates of up to 120Hz with ProMotion, which means it'll run fast and respond well when you're surfing on a page or between applications.

iPhone 12 Pro does not have ProMotion and is located at 60Hz, so it will not be very smooth to use. However, this model still has an OLED panel and HDR content at 1200 nit, which means the screen will be bright and sharp.

The display is 6.1 inches with a resolution of 1170 × 2532 pixels and has true tones on the iPhone 13 Pro. It also has support for Dolby Visions, for better HDR performance on compatible content.

Processor

The specs are where the iPhone 13 Pro really shines. This model includes the new A15 Bionic chip, with a new 6-core CPU and a new 5-core GPU, which makes the device run a lot faster than its predecessor.

iPhone 13 Pro runs on iOS 15. Apple claims that its graphics are 50% better than leading competitors due to the 5-core GPU. The new cores offer faster performance and should offer better graphics than older models, including the iPhone 12 Pro.

In terms of specifications, the iPhone 12 Pro uses the older A14 Bionic chipset. However, it has a 5G modem inside, giving you quick data network access if you're in an unsupported area.

However, the latest GPU and CPU cores are much faster than the previous generation iPhone Pro, which means it will run much faster and produce better graphics due to the extra cores and improved SoC.

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