

OPPO Unveils World's First Ray Tracing 3D Wallpaper for Mobile at Game Developer Conference 2022



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SAN FRANCISCO, US - **Media OutReach** - 21 March 2022 - Global technology brand OPPO unveiled the industry's first ray tracing application for smartphones – the ColorOS Ray Tracing 3D Wallpaper – during the Game Developers Conference 2022 (GDC). At the event, visitors experienced multiple real-time ray tracing wallpapers on OPPO's newest flagship device launched in China, the Find X5 Pro (Dimensity version). The 3D wallpaper application is slated for release through an APK later this year.



"As a technology pioneer, OPPO has always actively explored new opportunities to enrich the mobile experience for our users," said Jane Tian, Head of the Graphics Product Management at the OPPO US Research Center. "The ability to take advantage of ray tracing technology across

smartphone devices will bring about more realistic gameplay graphics, for more immersive and competitive gaming. Our 3D wallpaper will also serve as a starting point to using the technology to explore future applications in smart devices.”

Ray tracing is a graphics rendering technology that simulates the physical behavior of light and has been adopted on computers in the past. By adopting ray tracing technology, the 3D wallpapers can render light in real-time at usable frame rates, making shadows, reflections and refractions of objects displayed appear more vivid and life-like. It also provides users with the ability to interact with their wallpapers through a series of hand gestures including rotating, tapping and waving.



OPPO began developing its ray tracing technology early in 2018 and had initially adopted a hybrid rendering method to gradually introduce ray tracing to existing mobile devices. For the ColorOS Ray Tracing 3D Wallpaper, OPPO came up with a new approach to accelerate ray tracing performance by adopting hybrid architecture and dedicated hardware cores on the Find X5 Pro (Dimensity version), fully utilizing the potential of the MediaTek Dimensity 9000 chipset and the Arm Mali GPU. The 3D wallpaper demoed at GDC 2022 is a testament to the company's unrelenting effort to bring new technologies and creative experiences to mobile devices.

Later this year, OPPO will introduce the 3D wallpaper application as an APK to users of the Find X5 Pro (Dimensity version), as well as to global developers, artists, designers in an SDK package to

help enable their creativity.

About OPPO

OPPO is a leading global smart device brand. Since the launch of its first mobile phone – “Smiley Face” – in 2008, OPPO has been in relentless pursuit of the perfect synergy of aesthetic satisfaction and innovative technology. Today, OPPO provides a wide range of smart devices spearheaded by the Find X and Reno series. Beyond devices, OPPO also provides its users with the ColorOS operating system and internet services such as OPPO Cloud and OPPO+. OPPO has a footprint in more than 50 countries and regions, with more than 40,000 employees dedicated to creating a better life for customers around the world.

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Company Website

<https://www.oppo.com/en/smartphones/series-find-x/find-x5-pro/>