iPhone X's Face ID Faces Backlash

In less than a week, Apple's \$1000 flagship smartphone was cracked by a 3D printed mask. Since Apple claims to have trained Face ID using hyperrealistic masks from Hollywood productions, security experts are now questioning the authenticity of their statements and are researching to discover if Face ID is less secure than the Touch ID scanner found in previous iterations of the iPhone.

HOW FACE ID WORKS

Face ID is enabled with a TrueDepth front-facing camera that projects over 30,000 dots on the user's face to map its structure and convert it into a mathematical mode

Face ID will not unlock if the user is asleep or unconscious as the neural engine checks for attention awareness in the

The iPhone X uses a Flood Illuminator to light the user's face with infrared light so that the biometric system can be used even in the dark.

> Infrared sensors are used to relay the structure of the face to the A11 Bionic chip where it compares it with the facial scan stored in the phone.

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There's a 1 in 50,000 chance that a stranger will be able to unlock Touch ID with their fingerprint, but that chance decreases to 1 in 1,000,000 with Face ID.

The A11 Bionic chip in the iPhone X uses machine learning and a neural engine to recognize changes in your appearance making it able to recognize users with hats, beards, makeup, or glasses.

Unlike Android devices which utilize a 2D facial scan system, Face ID uses a 3D facial scan so that it can't be cracked with a photo.

THE IPHONE'S DEFINING FEATURES BY GENERATION

Since 2009, Apple has chosen to introduce defining software features into their smartphones in their "S" series. However, the company decided to switch things up for the iPhone's ten-year anniversary with the release of Face ID in the iPhone X.

SOURCE Wired, MacRumors Andrew Williams | J464

Siri

The witty digital assistant was released in 2011 with the introduction of the iPhone 4S and has since undergone a makeover to increase functionality.



Touch ID was released in 2013 in the iPhone 55. The phone was also the first ever to use a 64-bit processor and featured a third color option.

Force Touch

The iPhone 65 ushered in Force Touch with the Taptic Engine and also featured durability improvements to counteract the iPhone 6's "bendgate" scandal.