

***For Immediate Release***

**LG Innotek unveiles innovative fingerprint sensor module without button**

**Seoul, Korea, May 1, 2016** – LG Innotek (CEO Jongseok Park) today announced an under glass fingerprint sensor module. It means you just placed your finger on the cover glass of the phone and then it identifies your fingerprint.

This module gives the freedom of the smartphone design and even enhances the user-friendly function, for example, waterproof or protection from scratches.

Previous ‘button type’ modules required you to press a finger on a raised square or circular button for your fingerprint to be read exactly, so the sensor was usually mounted on the front, rear or side buttons of a smartphone.

LG Innotek cut a shallow furrow of 0.01inches (0.3mm) thick on the lower backside of the cover glass and installed the fingerprint sensor inside of it with using their supreme precision and combination technology.

With this module, the sensor is not exposed to the outside of the device, so manufacturer can produce a sleek designed smartphone. Fingerprint recognition area also can be indicated by various patterns up to design of complete product.

High-strength cover glass protects the sensor and prevents it from coming in direct contact with water or damage from scratches.

At the same time, the new module secured the fingerprint recognition accuracy compared to the button type. The new module has a false acceptance rate (FAR) of 0.002%. The FAR is the probability that the system falsely recognizes someone else's biometric information as that of the user.

LG Innotek developed a proprietary adhesive to be used to attach the sensor to the glass, securing the commercialization scale of the durability including high impact absorption.

The adherend side of the sensor and glass is only 0.0098inches (0.25mm) thick, but it endures impact of 4.6 oz (130grams) of the steel ball dropped from 7.9inch (20cm).

LG Innotek expects that demand for fingerprint recognition technology will dramatically increase due to the expansion of the mobile payment market, has a plan to secure the new customer.

Market research firm, IHS, reports approximately 499 million fingerprint sensors have been sold globally in 2015 and expects that number will increase to 1600 million units in 2020.

Changhwan Kim, Head of the company’s R&D Center said, "We are concentrating on all our resources to the development of the differentiated technology based on the creation of customer values.” “We will continue to provide convenient, safe, and pleasant user experiences by launching innovative product.”

![D:\업무폴더\2016\1. 해외홍보\4월_지문인식모듈\[Photo 1] LG Innotek shows cover glass which is embeded fingerprint sensor module.jpg]()

[Photo caption] LG Innotek introduces cover glass which is embeded

fingerprint sensor module.

**About LG Innotek Co,.Ltd.**

LG Innotek is a cutting-edge materials and components manufacturer and an affiliate of LG group. The company’s business units include core components for mobile, automotive, display, semiconductor, IoT and LED. Further, the company has cooperated closely with mobile device, home appliance and automotive companies, producing camera modules, automotive electronic components, wireless communication module, substrate materials and LED.

LG Innotek is headquartered in Seoul, Korea and its sales subsidiary is located in San Jose, California. For more information, please refer to the website: www.lginnotek.com.

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