Bellus3D and Spreadtrum Showcase High-Resolution 3D Face Scanning on New Android Smartphone.

Spreadtrum Communications is first licensee of Bellus3D dual-sensor structured light depth camera reference design.

Las Vegas, NV, January 7, 2018: Bellus3D, Inc. a Silicon Valley startup formed by leading computer vision experts, announced that Spreadtrum Communications("Spreadtrum") is the first to license the Bellus3D Face Scanning Reference platform for Android smartphones.

Today Bellus3D demonstrated the industry's first implementation of high-resolution 3D face scanning on an Android OS smartphone which incorporated a built-in integrated dual-sensor structured light front-facing depth camera. The demonstration dispels industry predictions that the Android platform is 2 years behind iOS in face scanning capabilities.

Bellus3D worked closely with Spreadtrum to define and implement a dual-sensor structured light depth camera module that captures up to 200k 3D points with sub-millimeter depth accuracy. The new reference design contains two NIR sensors and a structured light projector, and offers greater depth resolution than the single-sensor structured light camera design deployed by iPhone X. It enables smartphone manufacturers to use off-the-shelf components to reduce costs and streamlines smartphone manufacturing by relaxing the tight calibration tolerances associated with single-sensor structured light depth camera module designs. In addition, Bellus3D software can automatically recalibrate the depth camera module after a smartphone is accidently dropped, which otherwise may require the product to be returned to the manufacturer for repair.

The demonstration shown at CES consists of a fifteen-second scanning process where the user turns his or her head to the left and then to the right, followed by an immediate on-screen view of the scanned face in 3D – enabling the user to completely rotate, zoom and see their lifelike face in three dimensions with high resolution detail. The 3D face model can be exported in a standard 3D file format to other applications for additional processing or display. The high-resolution 3D face scanning for Android OS demonstrated by Bellus3D is a preview of new capabilities being brought to market for mobile phones that will enable new applications beyond unlocking a smartphone with face ID.

"We are seeing a wide range of new and exciting applications being developed with our technology that were simply not possible before," said Eric Chen, co-founder & CEO of Bellus3D. "Developers working with our cameras and software are now building applications that will allow consumers to use 3D face scanning to design their own custom eyeglasses, try on make-up with realistic 3D simulated effects before purchasing, and create 3D avatars for games. It is very exciting to see how our Bellus3D facing scanning platform is enabling a new range of meaningful value to mobile phone platforms."

"Spreadtrum is dedicated to providing the market diverse products and solutions with cutting-edge technology and superior multimedia experience at a favorable cost, enabling millions of users to enjoy greater access to the freedom and joy that communication brings" said Mr. Adam Zeng, Global Executive Vice President of Tsinghua Unigroup and CEO of Spreadtrum Communications, "Now Spreadtrum is accelerating the integration of 3D Face capabilities into our mobile phone reference designs. Our collaborative work with Bellus3D is an exciting demonstration of the new possibilities with this platform."

Bellus3D is demonstrating this newly integrated smartphone capability as well as exhibiting their currently shipping Face Camera Pro accessory camera for Android phone and tablets at the Consumer Electronics Show in Las Vegas, Nevada January 9-12, 2018. The booth location is: Tech West, Sands Expo, Level 1, Hall G and Venetian, Level 1, Space: 51104.

Press are invited to see Bellus3D demonstrations at CES Unveiled from 5:00pm -8:00pm on January 7, 2018. The CES Unveiled Event is located at: Mandalay Bay North Convention Center, Shorelines Exhibit Hall, table EP22.

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About Bellus3D, Inc.
Bellus3D (www.bellus3d.com) is the innovative leader in high-resolution 3D face scanning and face ID technology designed for mobile platforms. The company is a venture-backed Silicon Valley startup founded in March 2015 by leading computer vision experts to bring the next generation of face scanning technologies to world side markets.

About Spreadtrum Communications
As an affiliate of Tsinghua Unigroup, Ltd, Spreadtrum Communications is a fabless semiconductor company that develops mobile chipset platforms for smartphones, feature phones and other consumer electronics products, supporting 2G, 3G and 4G wireless communications standards. Spreadtrum's solutions combine its highly integrated, power-efficient chipsets with customizable software and reference designs in a complete turnkey platform, enabling customers to achieve faster design cycles with a lower development cost. Spreadtrum's customers include global and China-based manufacturers developing mobile products for consumers in China and emerging markets around the world. For more information, visit www.spreadtrum.com.