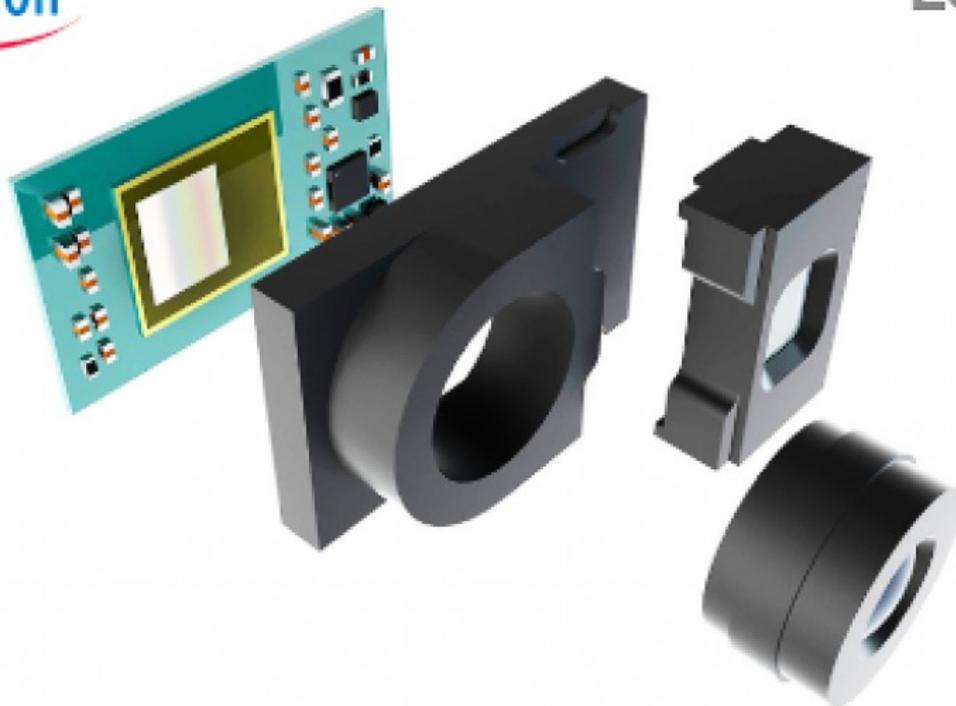


LG and Infineon to introduce LG G8ThinQ with front facing Time of Flight camera

Infineon's REAL3™ Image Sensor Chip, LG Offers Enhanced Security and Depth Measuring Selfie Camera



LG G8ThinQ



Pune, Feb 8, 2019 ([Issuewire.com](http://www.Issuewire.com)) - LG Electronics and Infineon Technologies AG have teamed up to introduce leading-edge Time-of-Flight (ToF) technology to smartphone selfie photo lovers world over.

Infineon's REAL3™ image sensor chip will play a key role in the front-facing camera of the upcoming LG G8ThinQ, to be unveiled in Barcelona during Mobile World Congress 2019. Building upon the combined expertise of Infineon and pmd technologies in algorithms for processed 3D point clouds (a set of data points in space produced by 3D scanning), the innovative sensor will deliver a new level of front camera capability in a smartphone.

While other 3D technologies utilize complex algorithms to calculate an object's distance from the camera lens, the ToF image sensor chip delivers more accurate measurements by capturing infrared light as it is reflected off the subject. As a result, ToF is faster and more effective in ambient light, reducing the workload on the application processor thereby also reducing power consumption.

And due to its fast response speed, ToF technology is widely used in various biometric authentication methods, such as face recognition. What's more, because ToF sees objects in 3D and is not affected by light from external sources, it delivers an excellent recognition rate, both indoors and out, ideal for implementation in augmented reality (AR) and virtual reality (VR) applications.

The world's leading manufacturer of power semiconductors, Infineon is also recognized for its technological excellence in sensor solutions. The German chipmaker enables highly reliable automotive, power management and digital security applications. The company developed the ToF technology featured in the LG G8ThinQ for use in both premium, high-end smartphones as well as mid-end devices.

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Source : machine maker

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