

Download TOF Range-Imaging Cameras

A time-of-flight camera (ToF camera) is a range imaging camera system that employs time-of-flight techniques to resolve distance between the camera and the subject for each point of the image, by measuring the round trip time of an artificial light signal provided by a laser or a LED. IEDM publishes a teaser for Artilux paper "Ge-on-Si Lock-In Pixels for Distance Ranging" by N. Na et al. "Range-imaging is key to many electronics applications such as hand tracking, facial recognition, localization/mapping for navigation, object detection/ranging for autonomous driving, and many others. The new Samsung Galaxy S10 will not only have a radical new design devoid of bezels, but some of its technologies will be unique for a while — like its Infinity-O display and new Time-of-Flight ... The interest for 3D and range imaging is exponentially increasing due to its exploitation in mobile applications. The most advanced 3D imaging technique is a Time-of-Flight (ToF) method., TOF Range-Imaging Cameras.

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