

Acqubit
26027 Huntington Lane
Unit B
Valencia CA 91355
Telephone: (661) 645-1624



Acqubit announces a contract award from the Air Force Research Laboratory to productize MIT-LL's asynchronous Geiger-mode LADAR Technology

Valencia, CA – August 8, 2022 – 3D-SensIR Inc. (DBA Acqubit) has recently received an award from the Air Force Research Laboratory, under the Asynchronous Geiger-mode LADAR (A-GMLR) development program to productize MIT-LL's Asynchronous Geiger-mode LADAR technology and deliver an asynchronous Geiger-mode LIDAR camera to AFRL for evaluation. The development of asynchronous Geiger-mode LIDAR camera is for sensing applications especially for laser detection ranging and laser communications applications. These cameras will provide sensing capabilities from land-based, aerial, and space platforms.

Acqubit will work with MIT-LL in designing and building 32 x 32 asynchronous Geiger-mode LIDAR receiver operating in the short wavelength infrared (SWIR) wavelengths. Acqubit will demonstrate and deliver an asynchronous Geiger-mode LIDAR camera to AFRL for evaluation.

Dr. Rengarajan Sudharsanan CEO of Acqubit says, "We are excited about the award from AFRL and in productizing MIT-LL's state-of-the art Geiger-mode LIDAR technology for sensing applications. We will be able to offer in addition to our synchronous mode Geiger-mode LIDAR camera, a new line of asynchronous Geiger-mode LIDAR cameras for laser communications, long range target detection and tracking applications."

Acqubit (3D-SensIR Inc.) offers Geiger-mode LIDAR cameras operating at Visible, Near-Infrared, and Shortwave Infrared wavelengths for space communications, tracking and 3D mapping applications. Our Geiger-mode LIDAR cameras offer single photon sensitivity, long range (>1 km) and high resolution. Acqubit also offers single element InGaAs (1550 nm wavelength) and InGaAsP (1064 nm wavelength) single photon avalanche diode (SPAD) detectors in thermoelectrically cooled TO-can packages for quantum cryptography, laser communication and range detection applications.

For more information, visit <https://www.acqubit.com/>

Contact:

Edward Ringo, Customer service – edward@3d-sensir.com