VL53C

VL53L0X V2 Laser Ranging Sensor

- 940 nm safe and long-ranging laser VCSEL
- In-built 2.8V linear voltage regulator
- Fast and accurate distance ranging. It can measure up to 2m
- Prevents optical cross-talk efficiently.
- Easy integration with microcontrollers because of I2C.
- Obstacle detection in robotics.
- Hand detection in hand driers, soap dispensers, faucets, etc.
- Gesture recognition in one dimension.
- Widely used in-camera autofocus to enhance the camera performance in low light or fast-moving objects conditions.
- Used as a proximity sensor in many phones.