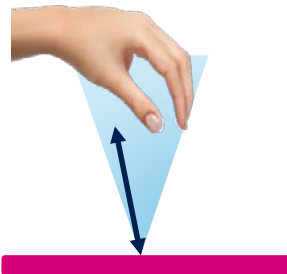


Introducing FlightSense™ technology

- Ranging Sensor
- Laser IR Light Source
- Ambient Light Sensor (VL6180X)



Ranging & Gesture Control



Accurate

Patented Technology
based on Time-of-Flight



all in one solution

Flexible integration

Invisible Industrial Design

- Easy to integrate
- Can be hidden behind cover glass

Added value



VL6180X

“3-in-1” ALS + ToF proximity sensor

Product highlights

In Mass-Production



- **Proven technology.** Family products have shipped >70Mu to date
- **Robust and accurate proximity detection**
- **Indicates actual distance in cms**
- **Independant of target reflectance/color**
- **Fully integrated** (near IR 850nm VCSEL emitter, filters, SPAD receiving array, advanced μ C)
- **Highly efficient ALS embedded**
- **Low power** (stdby 5uA, active <20mW at 10Hz)
- FoV : 25°
- Package: OLGA 4.8 x 2.8 x 1mm
- Complete API package and **Android driver**
- Laser Class1 device (eye safe)

Applications

Reliable Proximity detection

- User detection to safely power off touch screen or control white goods
- Obstacle detection for robotics
- ...



Ambient Light Sensing

Adjust the brightness of the display subject to the ambient light level detected



VL53L0X

World's smallest ToF sensor

Product highlights

In Mass-Production



- **Fully integrated** (IR 940nm Vcsel emitter, filters, SPAD receiving array, advanced μ C)
- Range up to **2 meters**
- **Fast ranging** time (up to 50Hz / 20ms)
- **High accuracy** (up to +/- 3%)
- **Low power** (stdby 5uA, active <20mW at 10Hz)
- Excellent ambient light robustness (**940nm**)
- FoV : 25°
- Package: OLGA 4.4 x 2.4 x 1mm
- Complete API package and **Android driver**
- Laser Class1 device (eye safe)

Applications

Laser AF

WW #1 supplier, with Focus in 1 frame



Drones

Take-off and landing phase assistance.
Ceiling detection



User detection & Smart interaction

Power saving (switch-off screen),
zoom, user detection,
Gesture recognition

