



**READY TO TRY?
OUR PRODUCTS**

Products that meet your needs.



THE PHANTOM INTELLIGENCE DIFFERENCE



SMARTER SENSORS: SIMPLER SYSTEMS AND INTEGRATION

Go beyond the point cloud

Phantom Intelligence LiDAR digital signal processing is multilayered, enabling more processing at the edge, taking care of everything from acquisition to threat assessment.

ADAPTABLE, SCALABLE PROCESSING

Plug into any system

Phantom Intelligence algorithms easily adjust to FPGAs, GPUs, and DSPs, depending on your needs. The configurable acquisition layer is also easy to adapt to multiple LiDAR architectures.

SUPERIOR PERFORMANCE & RELIABILITY

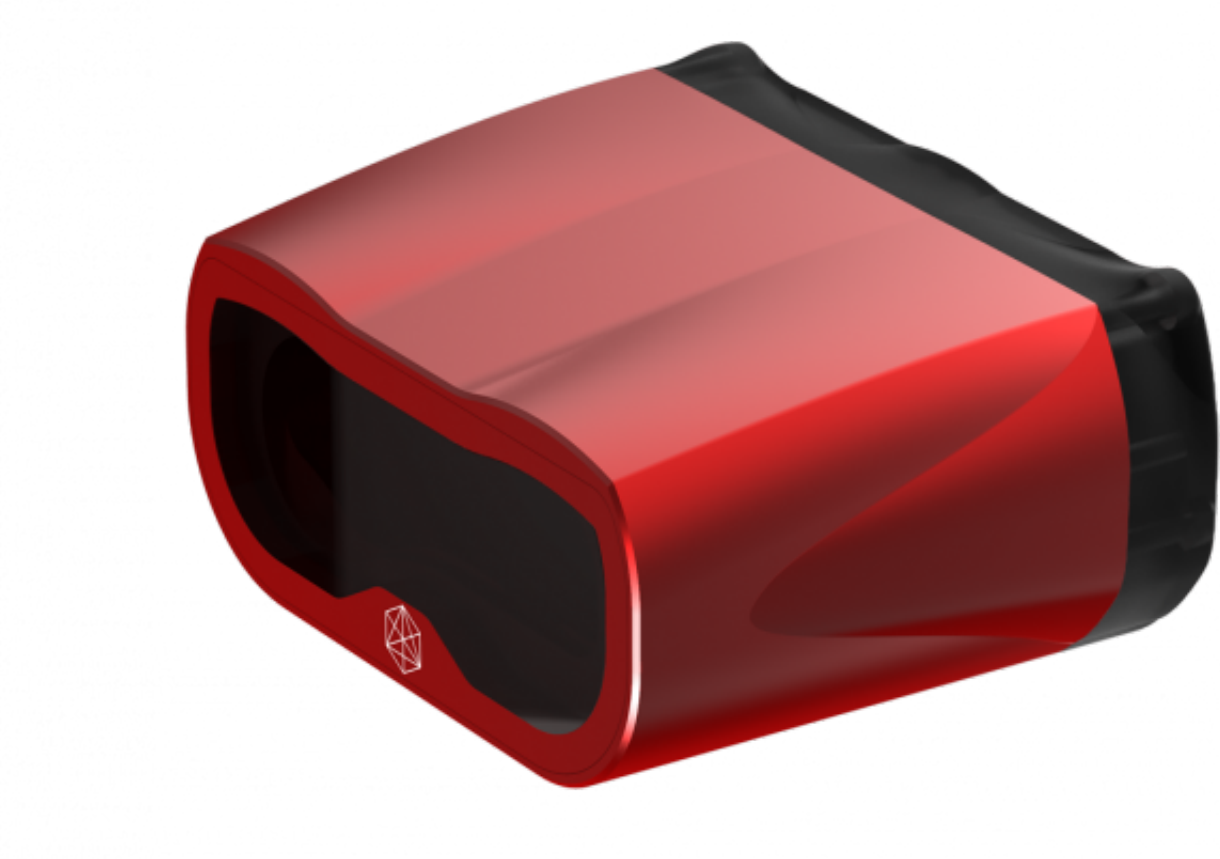
Build safer sensors, big or small

For every LiDAR configuration, we tune the workflow to strike the optimal balance between responsiveness, range, and efficiency for given application constraints.

ADVANTAGES

- More detailed information
- Simpler integration and systems
- Superior performance and reliability

SENTINEL™ LIDAR SENSOR



Compact and light, Sentinel is designed for mid-to-long range applications, even at high speeds. Since it has no moving parts, this flash LiDAR sensor is rugged, even when submitted to strong vibrations. The digital signal processing inside the sensor enables it to output more reliable and detailed data, obstacle distance and velocity results, for ultimately simpler systems.

SPECIFICATIONS

- Dimensions (W x D x H): 100 x 48 x 74 mm (3.9 x 1.9 x 2.9 in)
- Weight: 350 g (12.3 oz)
- Optical configuration: 2\8 (symmetrical)
- FoV
 - Horizontal FoV: 25°
 - Vertical FoV: 3.9°, 1.5° between lines
- Range: 200 m (656.2 ft; high reflectivity), 35 m (114.8 ft, low reflectivity)
- Power consumption: <11 W
- Class 1 eye-safe 905 nm technology

GUARDIAN™ LIDAR SENSOR



Compact and light, Guardian is designed for short-range applications, even at high speeds. Since it has no moving parts, this flash LiDAR sensor is rugged, even when submitted to strong vibrations. The digital signal processing inside the sensor enables it to output more reliable and detailed data, obstacle distance and velocity results, for ultimately simpler systems. The low power consumption of Guardian makes it a sensor that's perfectly adapted to small mobile robot applications, for example.

SPECIFICATIONS

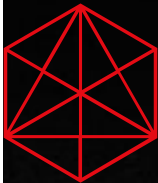
- Dimensions (W x D x H): 78 x 37 x 47 mm (3.1 x 1.5 x 1.8 in)
- Weight: 180 g (6.4 oz)
- Optical configuration: 1~16
- Horizontal FoV: 25°
- Vertical FoV: 1.5°
- Range: 40 m (131.2 ft)
- Power consumption: <2.5 W
- Class 1 eye-safe 905 nm technology

FOR YOUR APPLICATION FIELD?

OUR MARKETS.

SOLUTIONS DESIGNED FOR YOU.

YOUR CHALLENGE? OUR SOLUTIONS.



PHANTOM
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