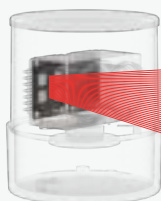


OT128

Next-Generation Flagship 360° High Performance
Long-Range Lidar



OT128, a flagship 360° high performance long-range lidar, distinguishes itself from traditional mechanical lidar systems through vertical integration, which enhances performance while simplifying the production process, offering competitive advantages in mass production and scalable commercial deployment.



**FLAGSHIP HIGH
PERFORMANCE**



**AUTOMATED MASS
PRODUCTION**



**AUTO-GRADE
RELIABILITY**

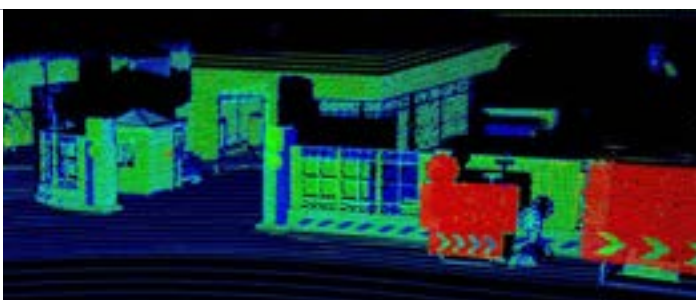


**INTERNATIONAL
SAFETY STANDARDS**

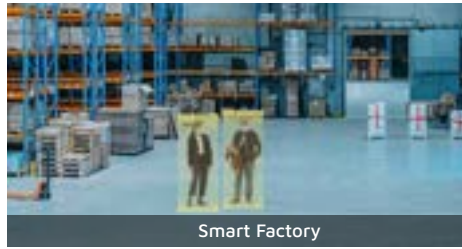
SPECS

RANGING CAPABILITY	200 m @10% reflectivity, max range 230 m	FOV	360° x 40°
POINT RATE	3,456,000 points/s	POWER CONSUMPTION	29 W
OVERALL RESOLUTION	2700 x 128	WEIGHT	2.2 kg
ANGULAR RESOLUTION	0.1°(H) x 0.125°(V) (Finest)	DIMENSIONS	118.0 mm x 132.3 mm (Max Diameter x Height)

HIGH RESOLUTION POINT CLOUD



APPLICATIONS

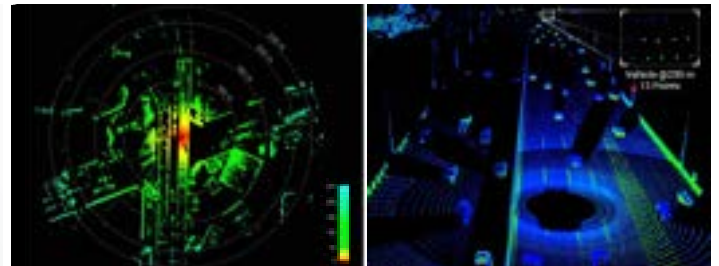


PRODUCT HIGHLIGHTS



Vertical Integration Designed for Scalable Deployment

- 4 years mature architecture, over 700,000 lidars of the same platform delivered globally
- 66% fewer parts, 95% reduction in core production process time, achieving 90%+ automated production



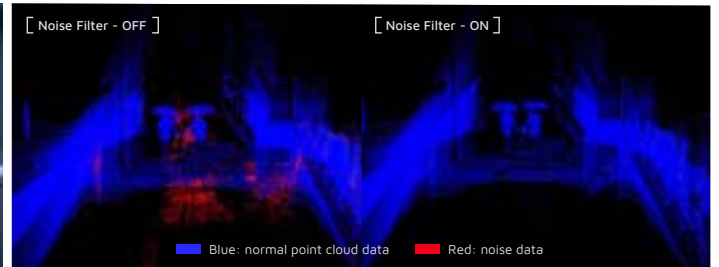
Flagship High Performance

- 200 m @10% ranging capability, 230 m max range
- 3.45 million point rates, comprehensive detection of road details



Auto-Grade Reliability, Complies with International Safety Standards

- Passed 50+ auto-grade reliability tests, with up to 30,000 hours lifespan
- Complies with ISO 26262 ASIL B functional safety and ISO 21434 cybersecurity standards



Rain and Fog Noise Filtering, Enabling All-Weather Perception

- Proprietary IPE intelligent point cloud processing technology, effectively filtering noise points caused by rain and fog in real time
- Maintains stable perception of targets in rainy and foggy conditions

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