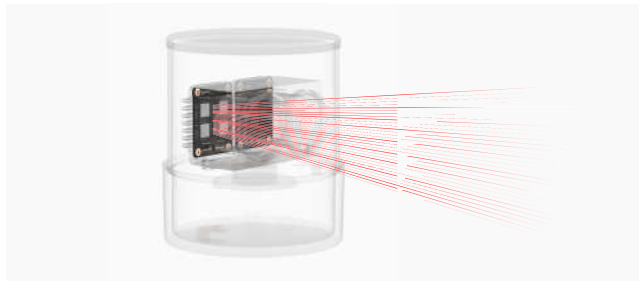


# OT128

Next Generation  
High Performance 360° Spinning Lidar



OT128 is Hesai's next generation of L4 autonomous driving lidar, achieving a superb balance between performance, cost, and reliability. The automotive-grade OT128 can sense up to 200 meters with 360° horizontal FOV, making it the best choice for cost-effective lidar in large-scale autonomous vehicle deployment.

## Key Specifications

Range Capability	200 m (@10% reflectivity, 100 klux)	Instrument Range	0.3 to 230 m
FOV	360° (H) x 40° (V)	Point Rate	3,456,000 pts/s (single return) 6,912,000 pts/s (dual return)
Angular Resolution	0.1° (H) x 0.125° (V) (Finest)	Frame Rate	10 Hz; 20 Hz
Range Accuracy	±3 cm (3 to 200 m)	Size	Height: 132.3 mm Max. Diameter: 118.0 mm
Power Consumption	29 W	Ingress Protection	IP6K9K & IP6K7
Automotive-Grade Standards	ISO 21434 Cybersecurity, Class 1 Eye Safety, ISO 26262 ASIL B Functional Safety		

## Applications



Robotaxi



Robotruck



Robobus



Last Mile Delivery



V2X



Port Automation

## Product Highlights

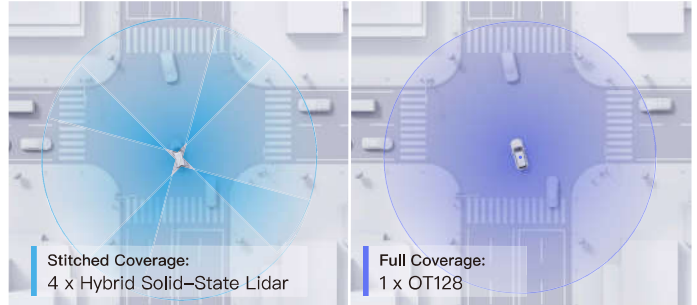
### Designed for Mass Production

Modular design for high integration and automated production, balancing product performance with superior cost-effectiveness



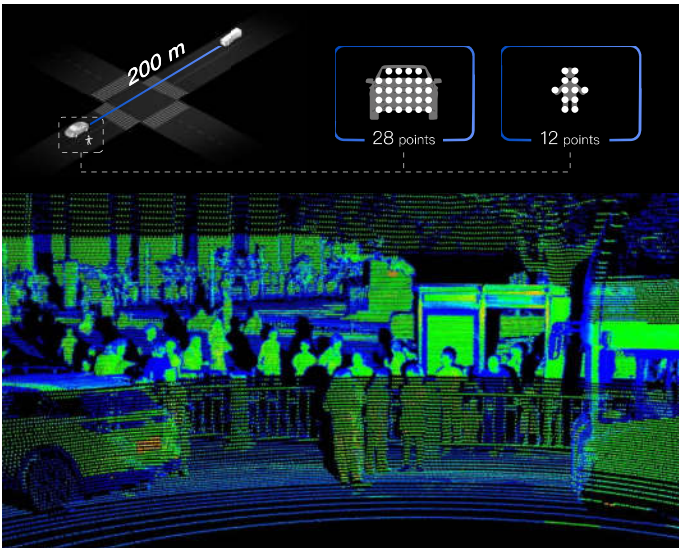
### 360° Full Coverage FOV

Achieving full 360° coverage with just one primary lidar sensor makes integration easier and enhances algorithm compatibility



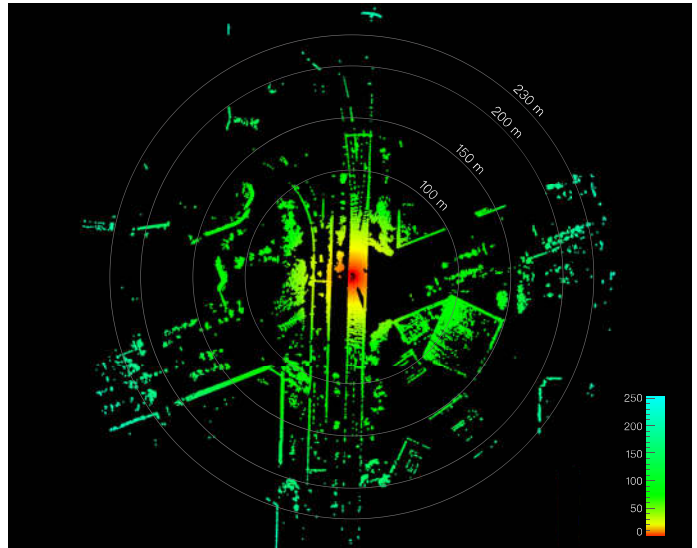
### Image-Like Resolution

With a finest resolution of  $0.1^\circ$  (H) x  $0.125^\circ$  (V), OT128 enables the perception of cars and pedestrians even 200 meters away

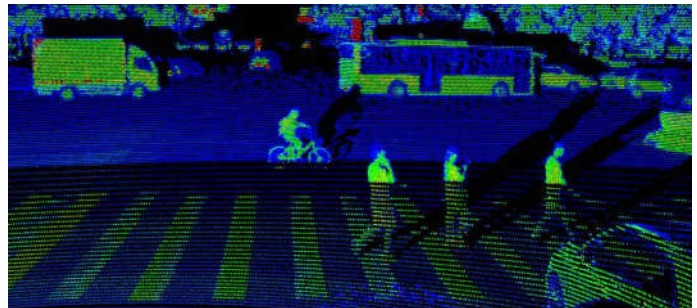
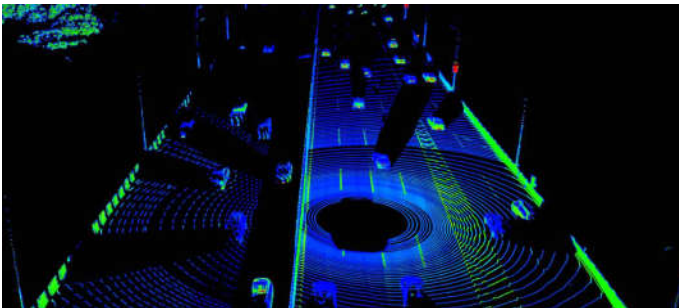


### 200 m Range Capability

Sensing objects over 200 m in 100 klux ambient light with 10% standard reflectivity, up to 230 m instrument range



### Point Cloud



## Hesai Technology Co., Ltd.

Global HQ | Building L2, Hongqiao World Center, Shanghai

US Office | 3500 W Bayshore Rd., Palo Alto, CA 94303

European Office | Charles-Lindbergh-Platz 1, 71034 Böblingen, Germany

sales@hesaitech.com

+86 400-805-1233 (China)

+1 650-655-7837 (US)



Website QR Code