

QT128

128-Channel Ultra-Wide View Lidar

- 105° Ultra-Wide Vertical FOV
- Optimized for Superior Perception
- Automotive Grade

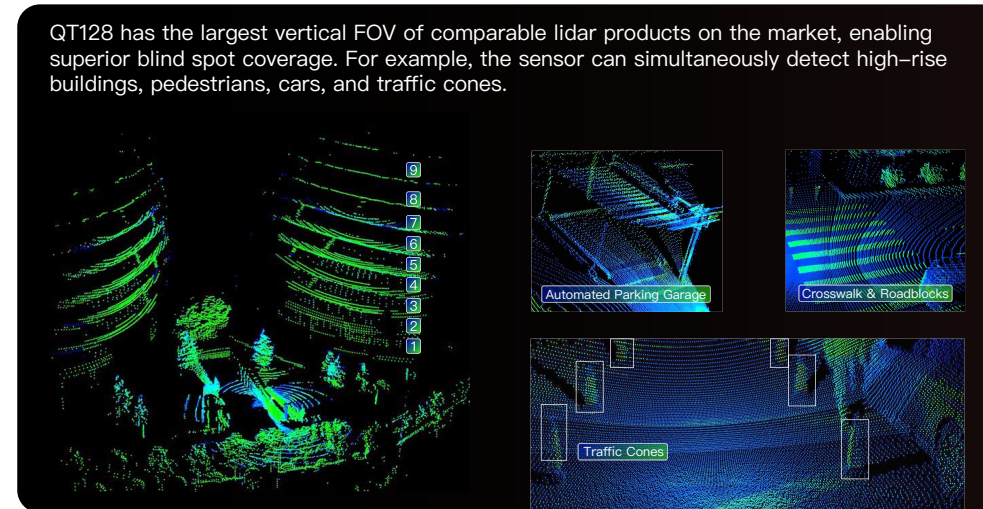


HESAI

QT128

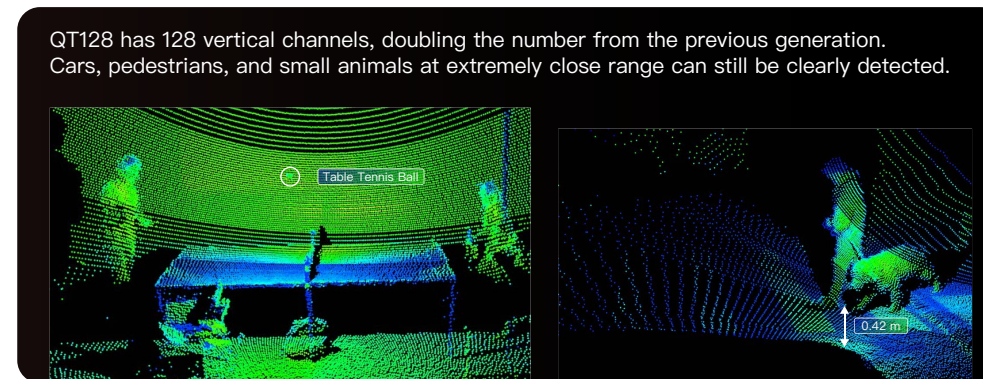
105° Ultra-Wide Vertical FOV

QT128 has the largest vertical FOV of comparable lidar products on the market, enabling superior blind spot coverage. For example, the sensor can simultaneously detect high-rise buildings, pedestrians, cars, and traffic cones.



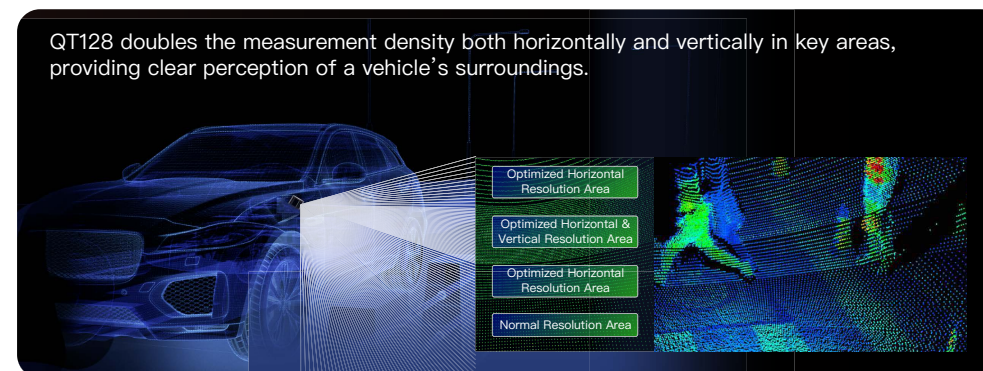
128 Channels, Higher Resolution

QT128 has 128 vertical channels, doubling the number from the previous generation. Cars, pedestrians, and small animals at extremely close range can still be clearly detected.

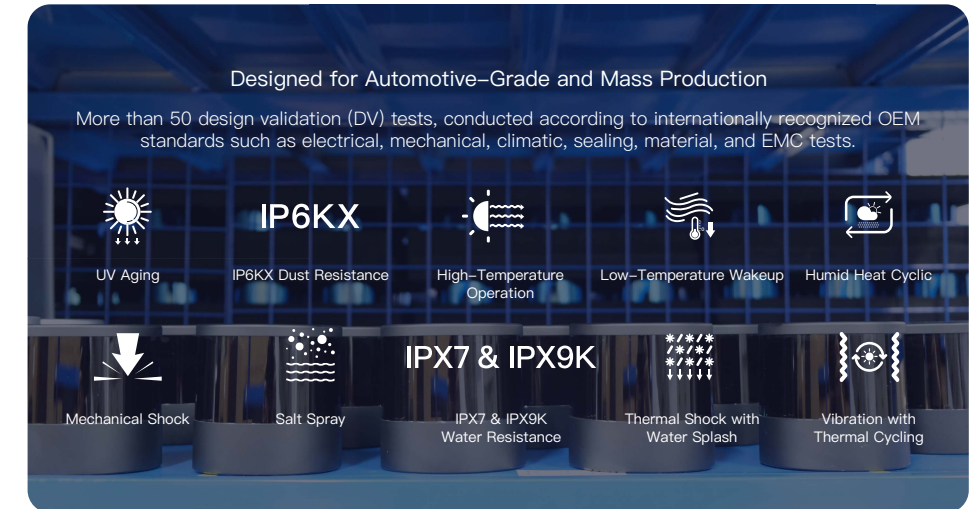


Optimized Channel Distribution, Superior Perception

QT128 doubles the measurement density both horizontally and vertically in key areas, providing clear perception of a vehicle's surroundings.

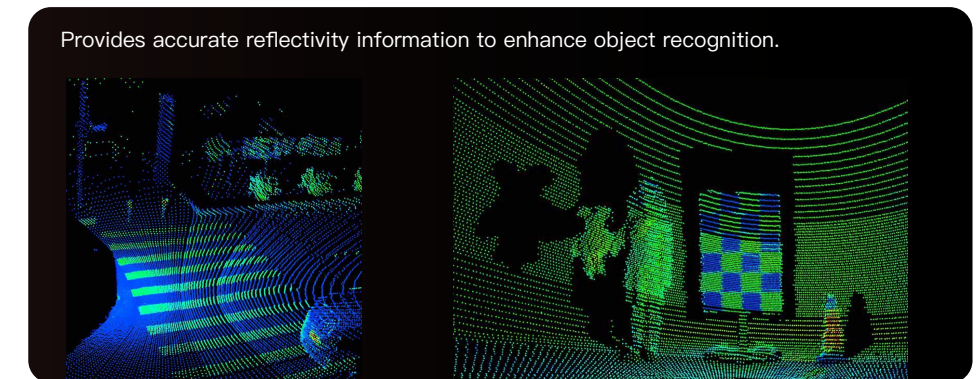


Strict Automotive-Grade Reliability Testing



High-Quality Reflectivity Information

Provides accurate reflectivity information to enhance object recognition.



Light and Compact

83 mm tall

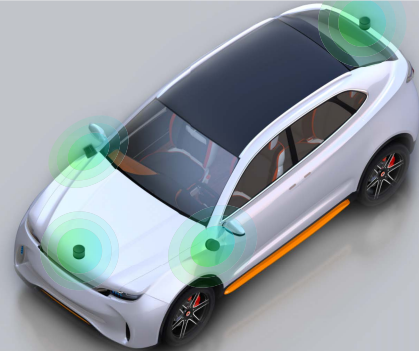
738 g



QT128 Applications



Robotaxis



Robotrucks



Delivery Robots



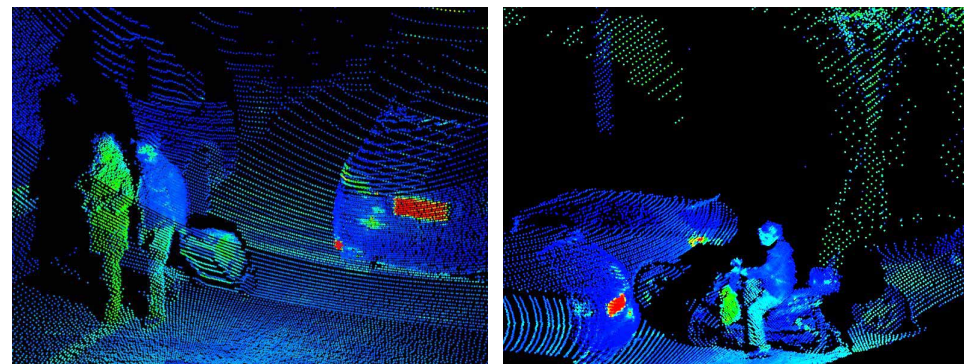
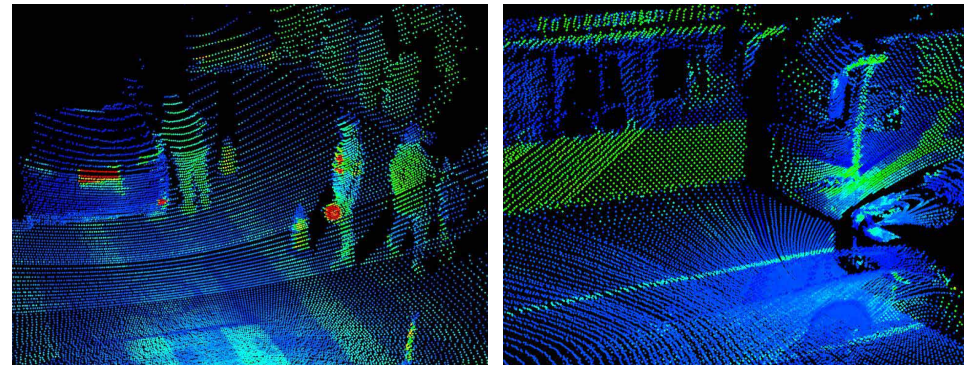
Shuttle Buses



QT128 Key Specifications

Channel	128	Laser Class	Class 1 Eye Safe
Instrument Range	0.05 to 50 m	Range Capability	20 m (at 10% reflectivity)
Range Accuracy	±3 cm (typical)	Range Precision	2 cm (typical)
FOV (Horizontal)	360°	Resolution (Horizontal)	Finest at 0.4° (10 Hz)
FOV (Vertical)	105.2°	Resolution (Vertical)	Finest at 0.4°
Power Consumption	12 W	Rated Voltage Range	DC 12 to 48 V
Operating Temperature	-40°C to 85°C	Ingress Protection	IP6K7 & IP6K9K
Weight	0.7 kg	Dimensions	Height: 83.9 mm Top/Bottom: Φ85.9/87.0 mm

QT128 Point Cloud



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