

QT128

Ultra-Wide View Short-Range Lidar

- Light weight and compact
- Ultra-wide VFOV
- ISO 26262 ASIL B functional safety certified



HESAI

QT128

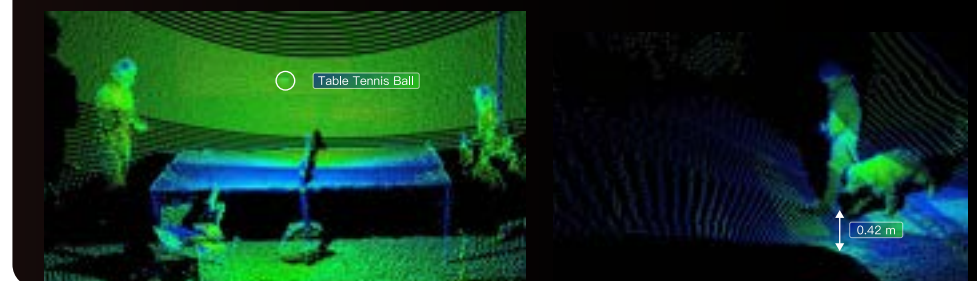
105° Ultra-Wide Vertical FOV

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.



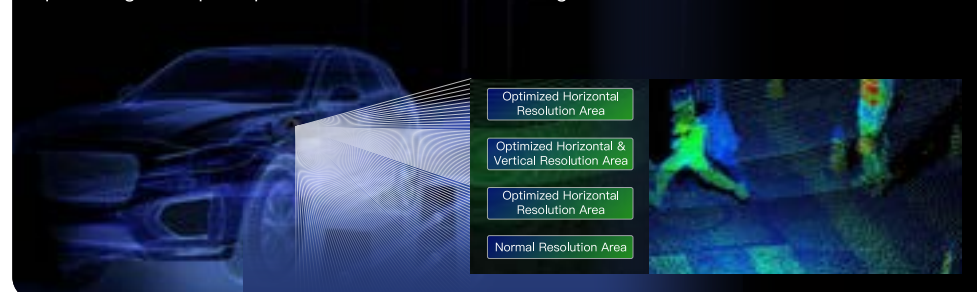
128 Channels, Higher Resolution

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.

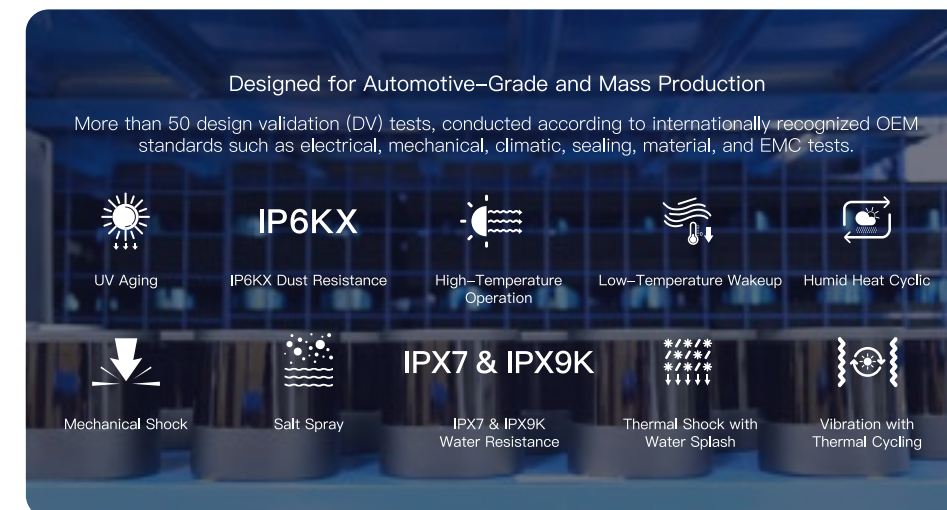


Optimized Channel Distribution, Superior Perception

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

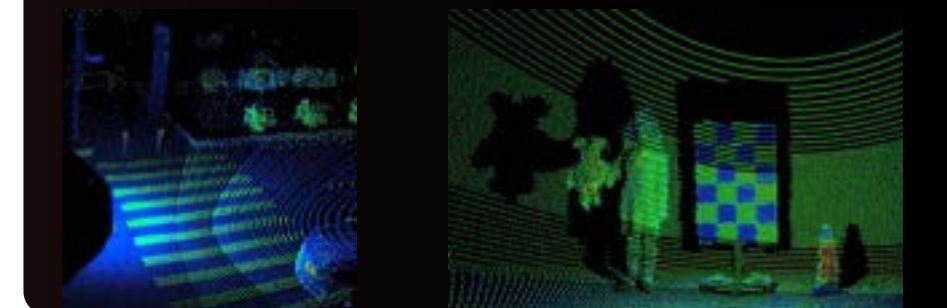


Strict Automotive-Grade Reliability Testing



High-Quality Reflectivity Information

Provides accurate reflectivity information to enhance object recognition.



Light and Compact

83 mm tall

738 g



QT128

Applications



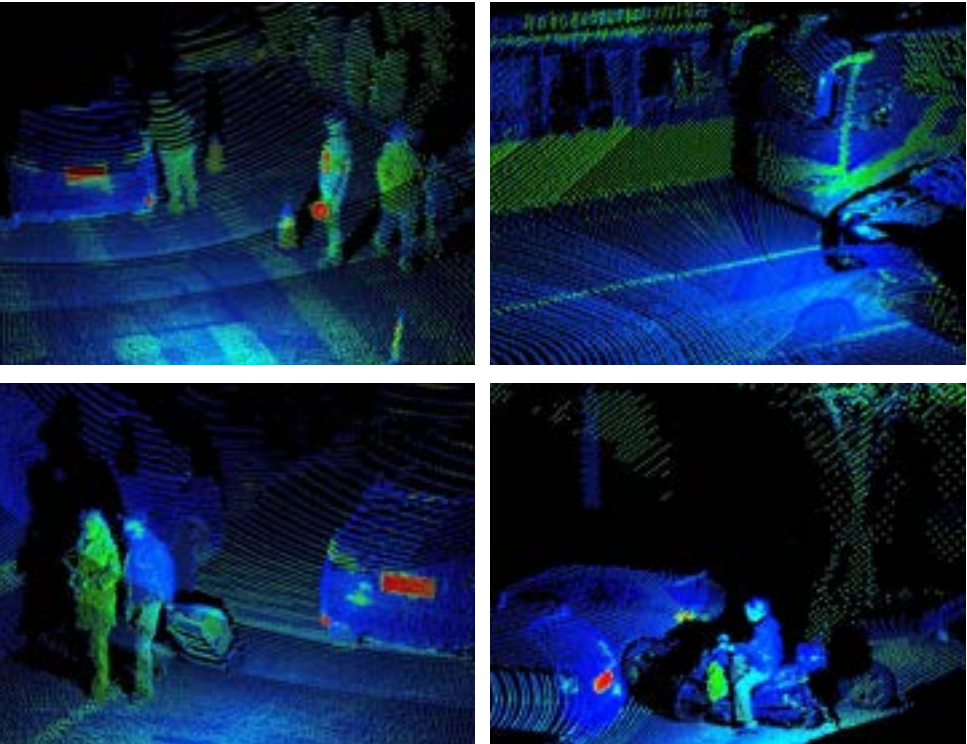
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Key Specs

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℃ to 85℃	Ingress Protection	IP6K7 & IP6K9K
Weight	0.7 kg	Dimensions	Height: 83.9 mm Top/Bottom: Φ85.9/87.0 mm

QT128

Point Cloud



Hesai Technology

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