

Pandar128

128-Channel
Image-like Resolution
High-Performance LiDAR



Website QR Code



WeChat QR Code

Hesai Technology Co., Ltd.

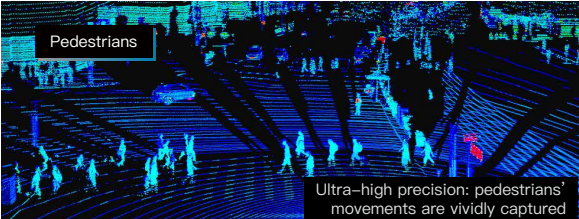
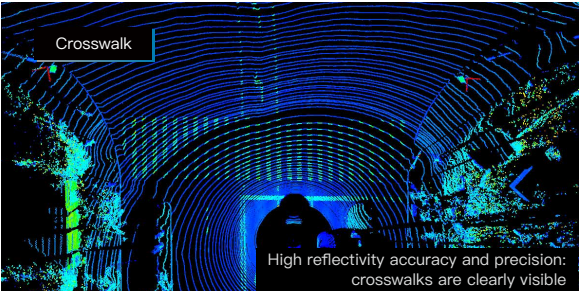
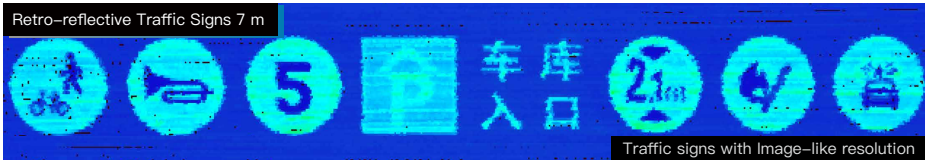
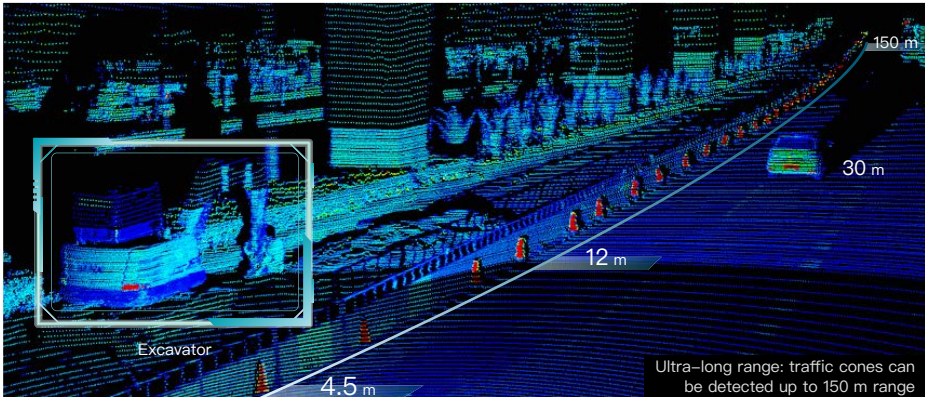
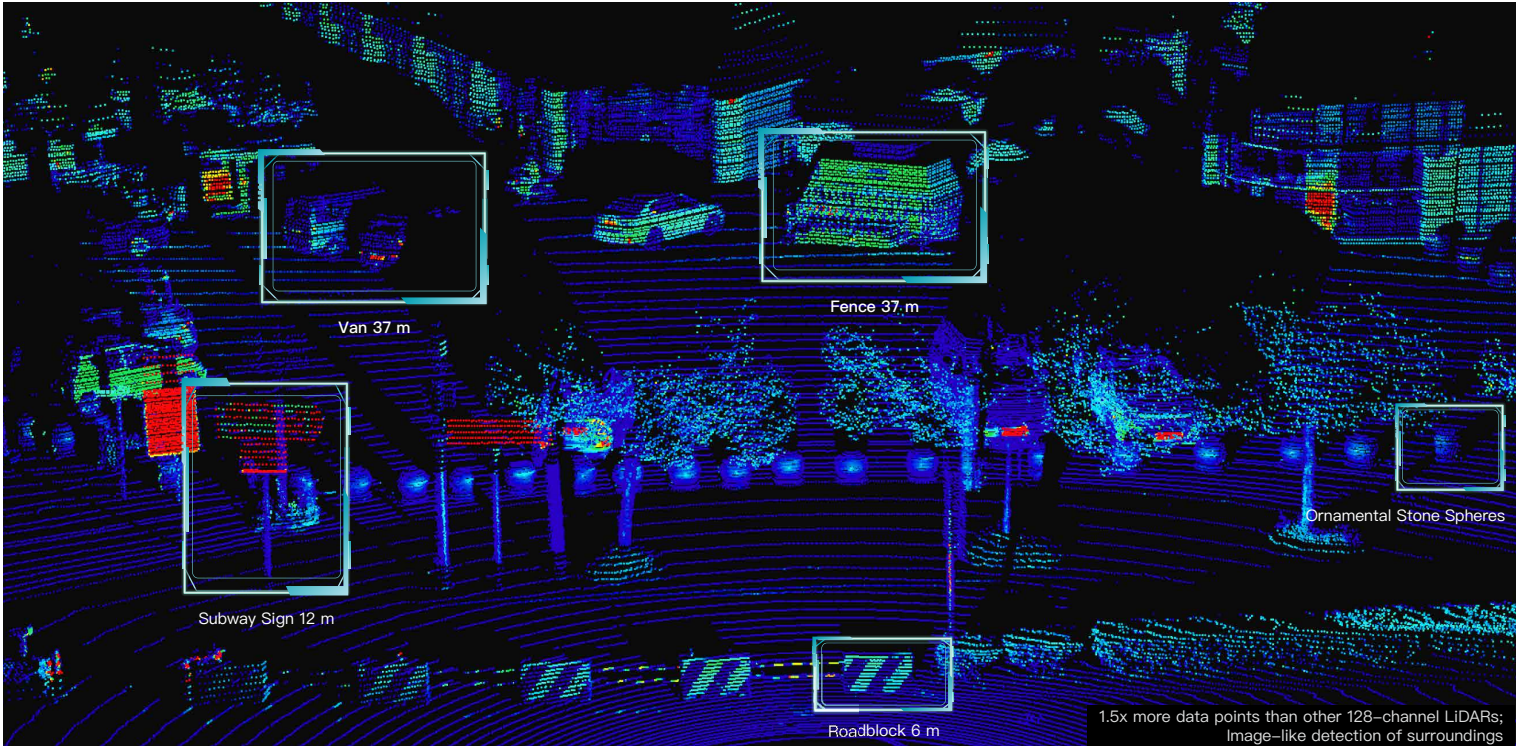
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Pandar128 Point Cloud



Pandar128

Key Specifications

| | |
|---|--|
| 0.3 m ~ 200 m (at 10% reflectivity) | ±5 cm (0.3 ~ 1 m) ±2 cm (1 ~ 200 m) |
| Measurement Range | Range Accuracy |
| 0.1° (10 Hz) 0.2° (20 Hz) | 40° (−25° ~ +15°) |
| Horizontal Resolution | Vertical FOV |
| Minimum 0.125° (−6° ~ +2°) | Single Return: 3,456,000 points/sec Dual Return: 6,912,000 points/sec |
| Vertical Resolution | Data Points Generated |
| DC 9 V ~ 48 V | 27 W (at 0.1° horizontal resolution) 20 W (at 0.2° horizontal resolution) |
| Operating Voltage | Power Consumption |
| −40°C ~ 85°C | Hight: 123.7 mm Diameter: 118.0 mm (Top, Bottom) 116.0 mm Weight: 1.63 kg |
| Operating Temperature | Dimensions and Weight |

Pandar128

Product Superiority

| | | | |
|---|--|---|---|
|  Pandar128 Pandar128 is a high-performance multi-beam LiDAR product highly integrated with Hesai's new breakthrough technologies |  Ultra-long-range The measurement range for objects with 10% reflectivity under 100 klux ambient light exceeds 200 m, while keeping the noise rate below 10 ^{−5} |  High range accuracy and precision 0.3 ~ 1 m: ±5 cm, 1 ~ 200 m: up to ±2 cm, RMSE <2 cm |  Ultra-high resolution Up to 0.1° (H) * 0.125° (V) resolution at 10 Hz high-performance mode |
|  Interference Rejection Every pulse has its own 'fingerprint' |  Higher protection grade IP6K9K & IP6K7 |  Data transmission Automotive ethernet and ordinary ethernet both available |  Supports gPTP protocol Microsecond-level precision synchronization |

Pandar128

Applications

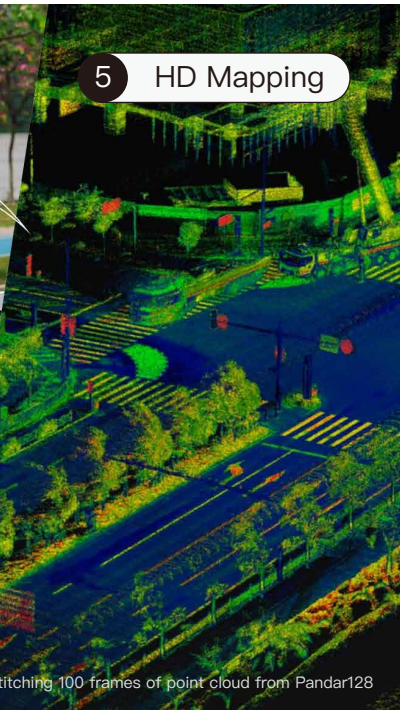



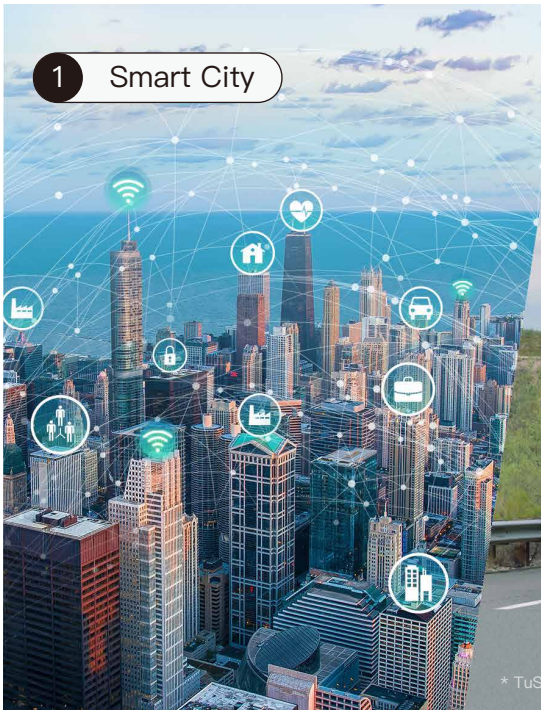
1 Smart City

2 Truck Logistics

3 Autonomous Shuttle

4 Robotaxi

5 HD Mapping



* TuSimple Autonomous Truck

* WeRide Robotaxi Fleet

* Stitching 100 frames of point cloud from Pandar128