

AT128P

Automotive Ultra-High Resolution Long-Range Lidar

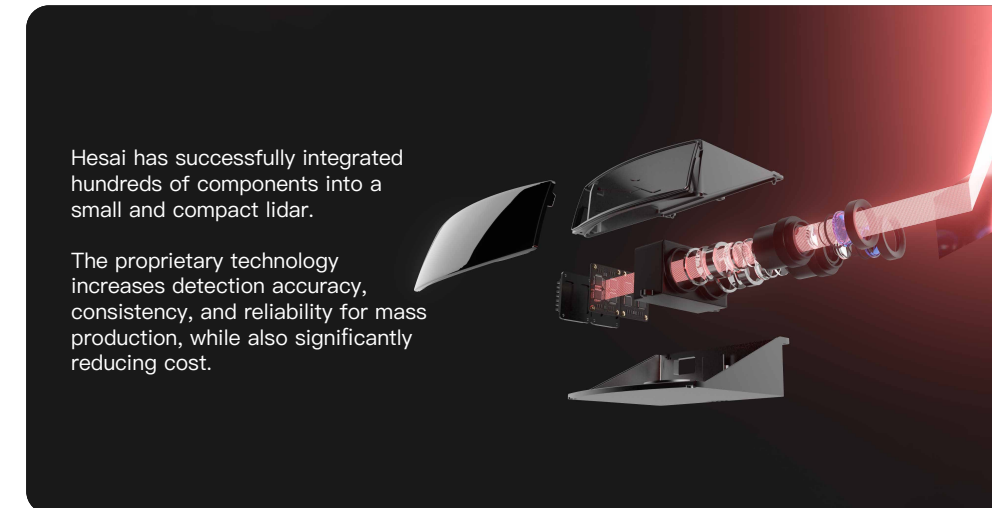
- 210 m @10% range capability
- 1.53 million points/s
- Small form factor



HESAI

AT128P

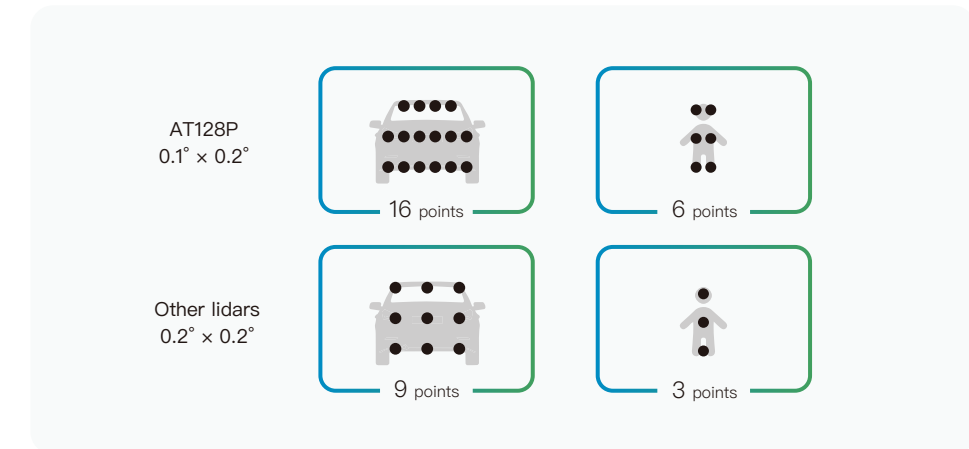
Higher Performance, Higher Affordability



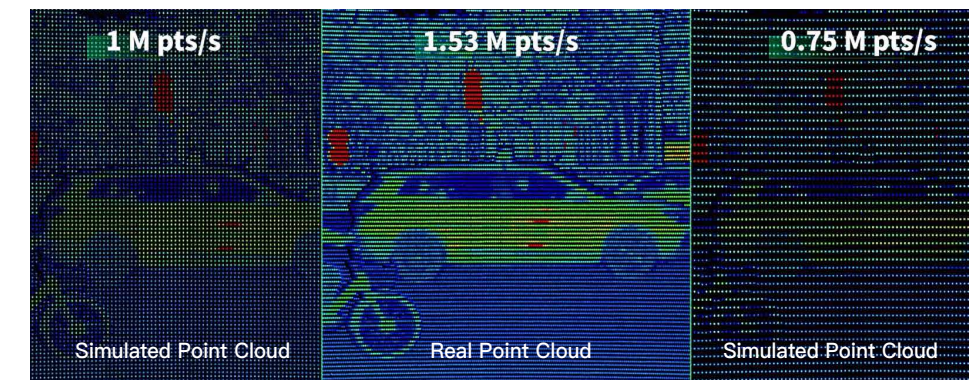
Small Form Factor, Seamless Vehicle Integration



Ultra-High Point Density, Image-Like Resolution

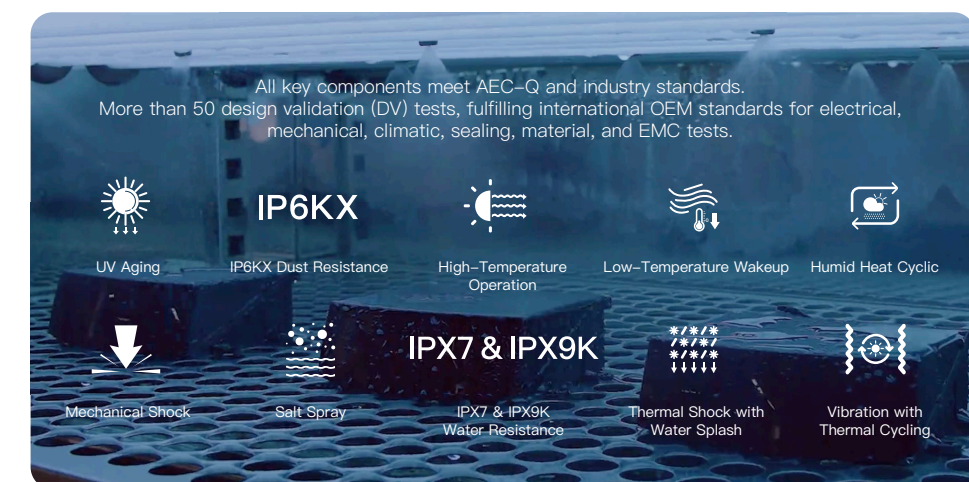


* Lidar is 200 m away from the target.



AT128P Generates Over 1.53 Million Point Rate




Automotive-Grade Reliability for Mass-Production



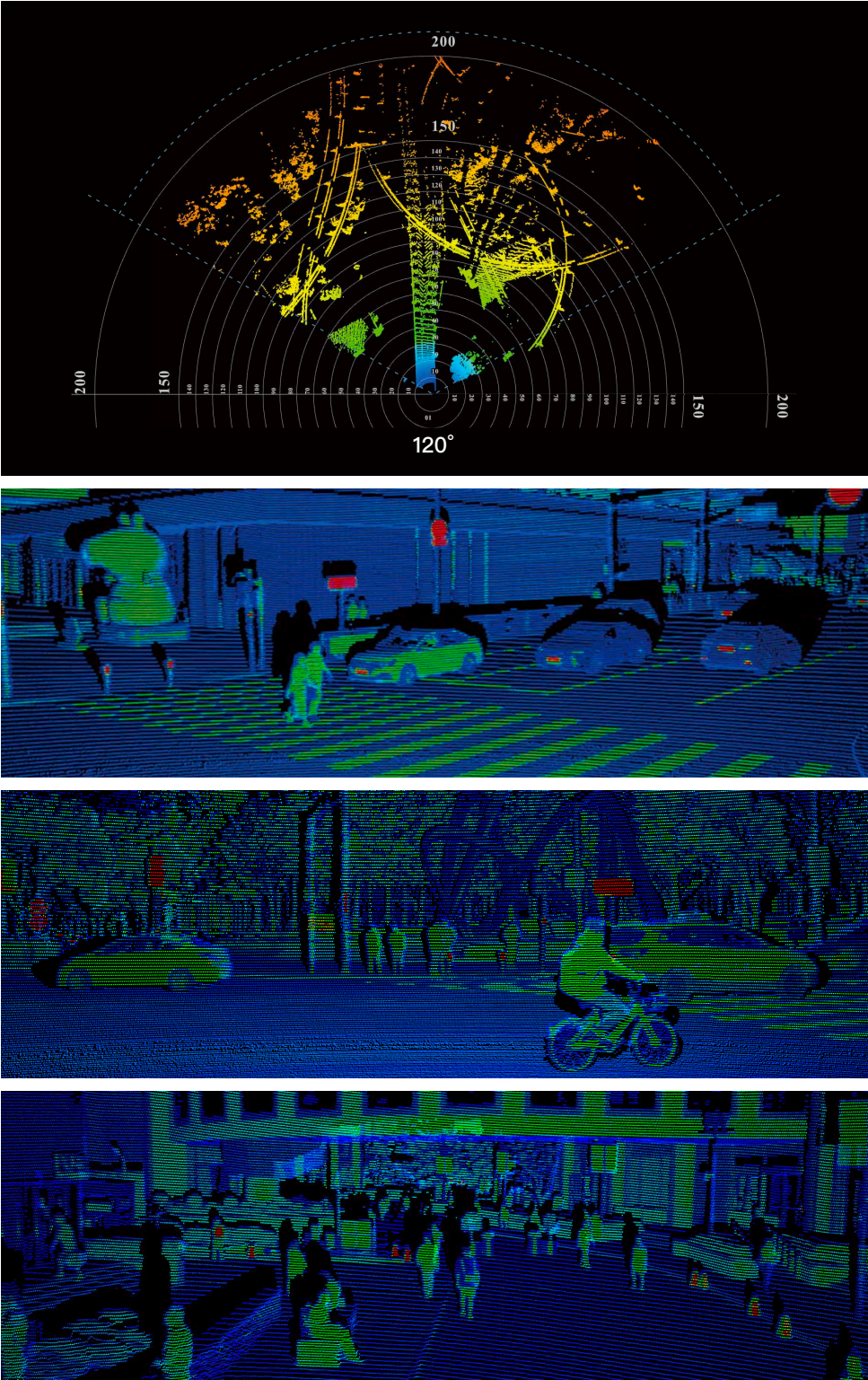
Key Specifications

<div>Pixel Resolution</div> <div>1200 x 128</div>	<div>Range Capability</div> <div>210 m @ 10% reflectivity</div>
<div>Point Rate</div> <div>Single Return: 1,536,000 points/s Dual Return: 3,072,000 points/s</div>	<div>Field of View</div> <div>120° (H) x 25.4° (V)</div>
<div>Resolution</div> <div>0.1° (H) x 0.2° (V)</div>	<div>Frame Rate</div> <div>10 Hz, 20 Hz</div>
<div>Dimensions (W x D x H)</div> <div>136 mm x 114 mm x 49 mm</div>	<div>Power Consumption</div> <div>13.5 W</div>

Other Features

<div></div> <div><div>Interference Rejection</div><div>Proprietary technology to individually encode each laser beam, rejecting interference from all other lidars.</div></div>
<div></div> <div><div>Functional Safety</div><div>ISO 26262 ASIL B compliant Comprehensive safety mechanisms, diagnostic coverage >90% FHTI (Fault Handling Time Interval) ≤100 ms.</div></div>
<div></div> <div><div>Cybersecurity</div><div>Product development process rigorously follows ISO 21434 standards, performing 100% overall cybersecurity risk management, with over 10 cybersecurity mechanisms.</div></div>

Point Cloud



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Website QR Code



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