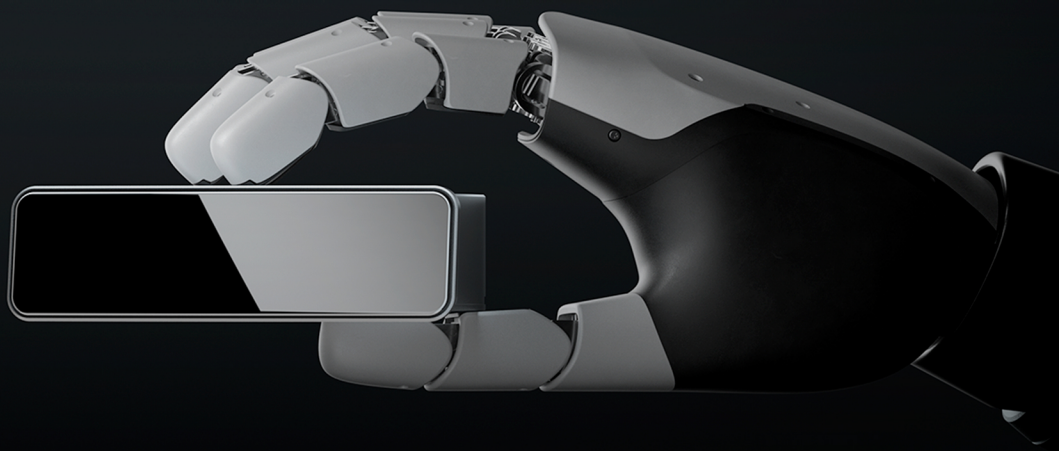




EMX

Real 192-Beam Automotive-Grade High-Performance Digital LiDAR

EMX is built on RoboSense's advanced digital automotive-grade front LiDAR platform—the EM Platform. It delivers real 192-beam and 2.88 million pts/s of high-definition point clouds, with a maximum frame rate of 20Hz, a detection range of up to 300 meters, and a wide horizontal FOV of 140°.

The intelligent "Gaze" function has been upgraded, with horizontal angular resolution improved by up to 6x, and the dynamic adjustment range significantly expanded. The EMX is customizable to meet the intelligent driving needs of various vehicle models.

Advantages



"Gaze" Function Upgrade



Ultra-High Frame Rate



Slim and Lightweight



All-Condition Adaptability



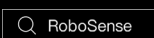
SPAD-SoC Chip



VCSEL Chip

RoboSense Technology Co., Ltd

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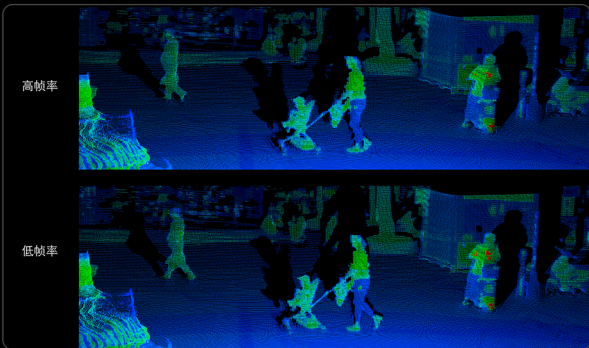


High Performance Point Cloud

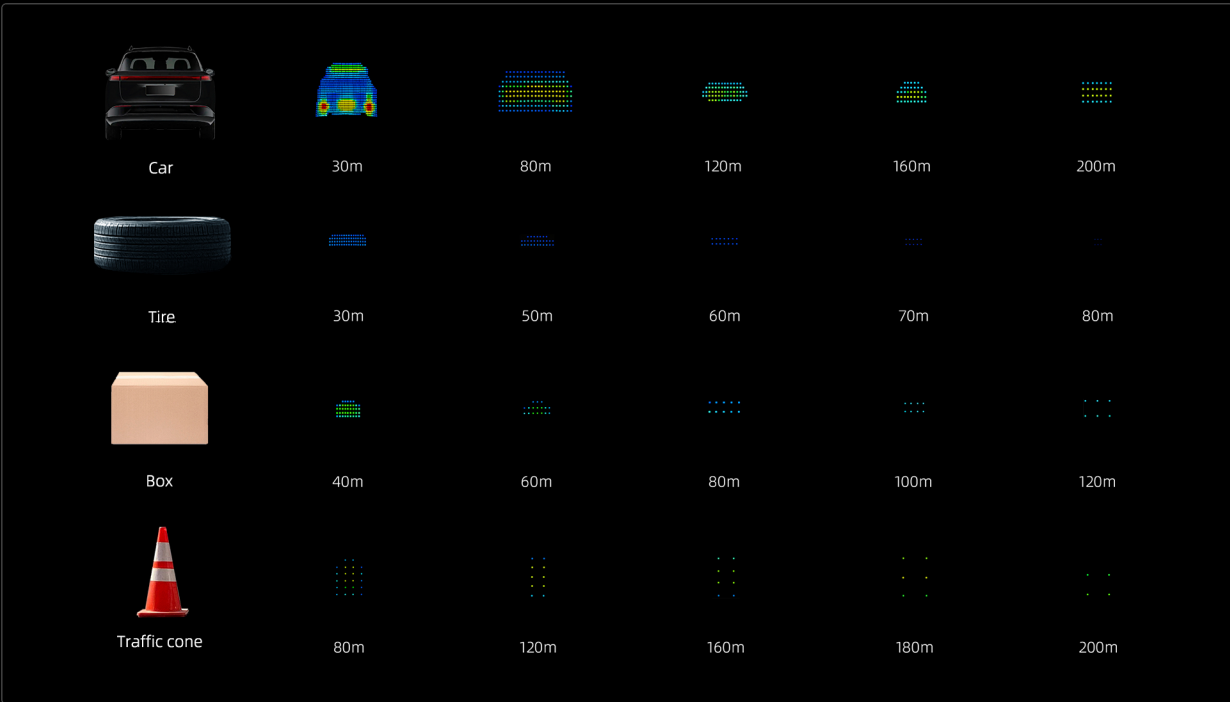
2.88M pts/s: Rich Detail



20Hz: Low Latency & Quick Response



Accurate Detection of Distant Objects



Product Specifications

# of beams	192-Beam	Maximum Frame Rate	20Hz
Longest ranging	300m	Global Angular resolution (H×V)	0.08°×0.1°
Dimension (L×W×H)	120x80x30 (mm)	Maximum FOV (H×V)	140°×20°

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