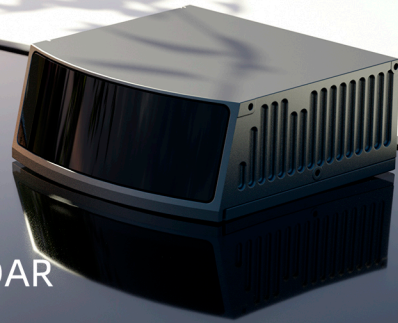


# M2

## The ultimate cost-effective mid-range LiDAR



The M2 is the M Platform's newest generation of mid-range LiDAR. M2's maximum detection distance can reach 250 meters. Angular resolution in ROI can reach 0.1° x 0.1°. Built on RoboSense's innovative and reliable 2D scanning technology, M2 shares the technology platform and modular design of the M1 Plus; leveraging the scale, testing, verification, and manufacturing process. With the M2, customers can seamlessly upgrade intelligent driving systems without costly vehicle design changes.

## Design consistency for seamless upgrades



Consistent 2D scanning



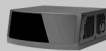


Consistent form factor



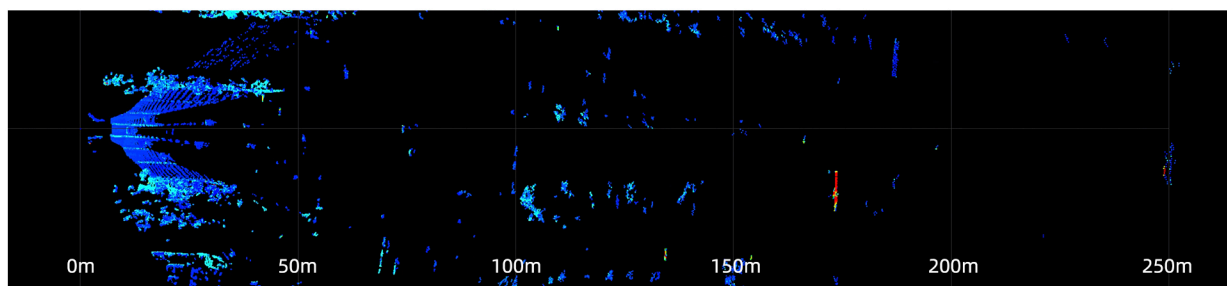
Consistent interface

## M series products specifications

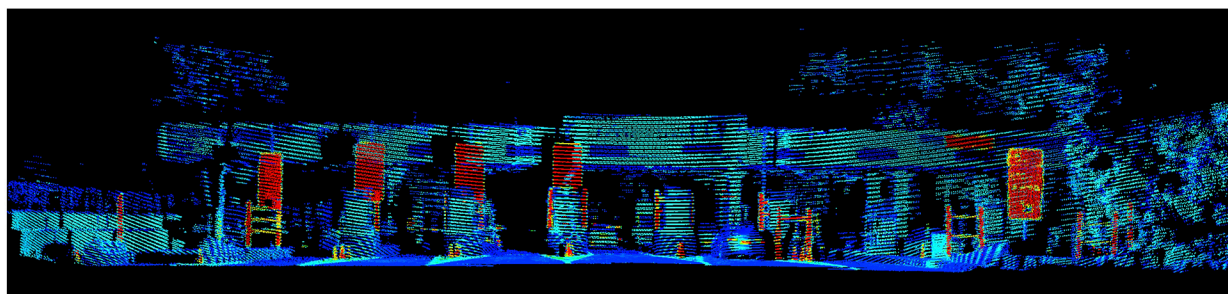
			
Name	M2	M1 Plus	M1
Range	250m (200m@10%)	200m (180m@10%)	200m (150m@10%)
Angular resolution (HxV)	Avg. 0.1° x Avg.0.2° (ROI: Avg. 0.1° x Avg.0.1°)	Avg. 0.2° x Avg.0.2° (ROI: Avg. 0.2° x Avg.0.1°)	Avg. 0.2° x Avg.0.2°
Points Rate (single return)	1,575,000 pts/s	787,500 pts/s	787,500 pts/s
Dimension (DxWxH)	111x110x45 (mm)	111x110x45 (mm)	108x110x45 (mm)

# High performance point cloud

Longer range: 250m (200m@10%)



Angular resolution (H x V): Avg. 0.1° x Avg.0.2° (ROI: Avg.0.1°)



## Rigorous testing for safety and reliability

**>36000h**

High temperature  
durability test

**>24000h**

High temperature and  
humidity test

**>21000h**

Cycle temperature  
shock test

**>40000h**

Independent  
device test

**ISO26262**

M platform obtains  
functional safety certification

**AEC-Q100**

Scanning chip  
reliability certification

## Leading the industry

**20+**

Design-win customers<sup>1</sup>

**60+**

Design-win vehicle models<sup>1</sup>

**24+**

SOP vehicles models<sup>1</sup>

1. As of December 18, 2023, according to CIC

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Q RoboSense LiDAR

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