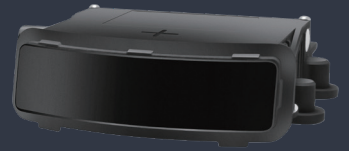













Robin E1X

Wide FOV LiDAR










- Built with a platform-driven approach, simplifying the core optical scanning structure for outstanding point cloud consistency
- Slim body with ultra-low power consumption, ideal for large-scale production
- Easily adaptable for placement behind the windshield or integration into headlights, grille, or front bumper

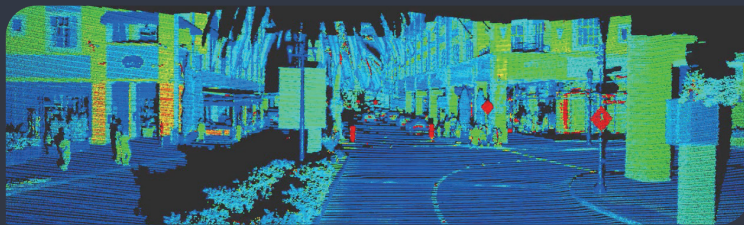
Key Specifications

| | | | |
|--|--|---|---|
|  1m~300m(200m@10%) Detection Range |  120°×20° FOV |  0.1°×0.2° Resolution(H×V) |  10FPS Frame Rate |
|  96lines Scanning Lines / Layers |  -40°C~85°C Operating Temperature |  IP67(body), IP69K(window) Water and Dust Protection |  940nm,Class 1 (IEC 60825-1) Laser |
|  30mm×106mm×101mm Dimension(H×W×D) |  470g Weight |  6W Power Consumption | |

Applications

| | | | | | | | |
|--|---|---|---|--|---|---|---|
|  ADAS/AD |  Smart City |  Highways |  Railways |  Ports |  Shipping |  Mining |  Robotics |
|--|---|---|---|--|---|---|---|

About Seyond



Seyond is a leading global provider of image-grade LiDAR technology, powering a safer, smarter and more mobile world across the automotive, intelligent transportation, robotics and industrial automation sectors. Founded in Silicon Valley with strategically placed research and manufacturing facilities across the globe, Seyond is crafting LiDAR solutions that elevate autonomous driving and fuel the advancement of smart infrastructure development.

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Performance



| | |
|-------------------------------------|-----------|
| Detection Range (Maximum)* | 300m |
| Detection Range (10% Reflectivity)* | 200m |
| Detection Range (Blind Area) | 1m |
| FOV | 120°×20° |
| Resolution* | 0.1°×0.2° |
| Distance Accuracy | ±5cm |
| Distance Precision | 3cm(1σ) |
| Scanning Lines / Layers* | 96lines |
| Frame Rate* | 10FPS |

Reliability



| | |
|---------------------------|---------------------------|
| Water and Dust Protection | IP69K(window), IP67(body) |
| Operating Temperature | -40°C~85°C |
| Laser Wavelength | 940nm |
| Laser Safety | Class1(IEC 60825-1) |

Electrical & Interface



| | |
|----------------------|---|
| Operating Voltage | 9~16V DC |
| Power Consumption | 6W |
| Data Interface | 1000Base-T1 Ethernet, compatible with 100Base-T1(UDP,TCP) |
| Data Output | Radius, azimuth, reflectivity, timestamp |
| Time Synchronization | IEEE1588(PTP), IEEE 802.1as(gPTP), NTP |

Mechanical



| | |
|-------------------|------------------|
| Dimension (H×W×D) | 30mm×106mm×101mm |
| Weight | 470g |

*: Configurable. For more information, please contact Beyond.