Shenzhen EAI Technology Co.,Ltd.

# LEADING PROVIDER OF SMART SENSORS AND SOLUTIONS

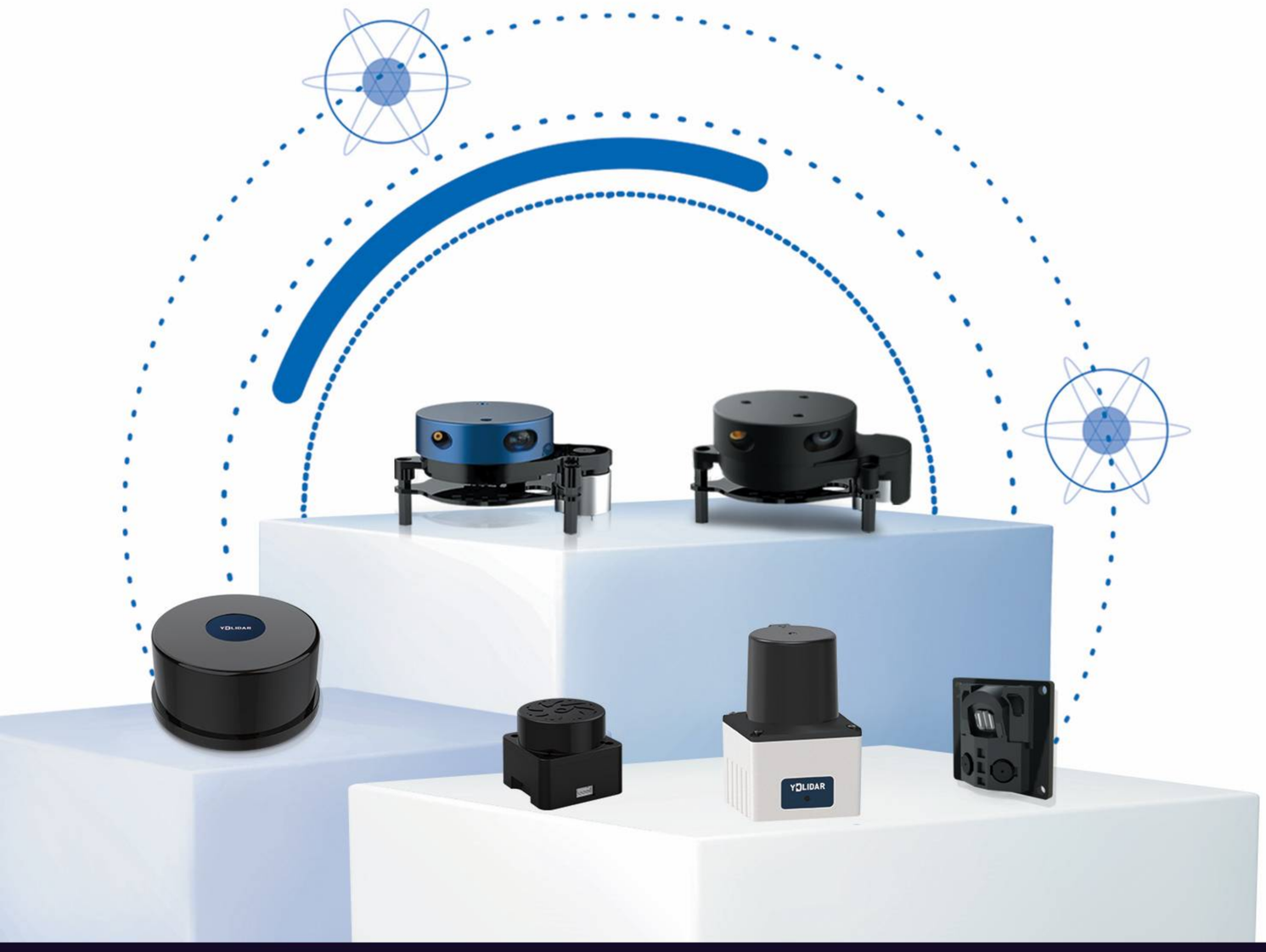
Self-developed chip

Algorithmic Innovation

Annual capacity exceeds 6 million units

Leading Technology

Self-owned smart factory



## Company Profile

Shenzhen EAI Technology Co., Ltd. was established in 2015 which is a national high-tech enterprise, National SRDI “Little Giant” enterprise and Guangdong SRDI enterprise focusing on smart sensors and solutions. It has multiple wholly-owned subsidiaries. EAI has established its headquarters in Shenzhen, a research institute in Wuhan, and a joint laboratory with Beijing Institute of Technology. Its own smart factory has been established in Dongguan and has been recognized as a “Guangdong Province SMEs” and "Dongguan Robot LiDAR Manufacturing Engineering Technology Research Center".

EAI Technology adheres to chip self-research + algorithm innovation, developed special chips to achieve localization, created picosecond-level time-of-flight measurement, ToF optical path transceiver coaxial and other technologies, breaking the foreign patent monopoly. The leading products are independent and controllable, with internationally advanced performance, successfully solving the AI industry sensing problem.

Up to now, EAI Technology has over 200 core intellectual property patents for smart sensors and robotics and has won a number of honors such as “Guangdong SRDI enterprise” "Shenzhen Top Ten Key Components Companies" and “The most influential innovative enterprise in the field of intelligent manufacturing”. EAI Technology's own brand YDLIDAR covers multiple categories such as Triangulation and ToF LiDARs, of which the applications cover many fields such as robot vacuum cleaners, service robots, ROS Education, multimedia interaction, industrial automation and so on. We have currently served more than 1000+ enterprises, institutions and colleges in 40+ countries and regions around the world.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**Factory:** EAI Technology Park, No. 15, Dongkeng Section, Liaodong Road, Dongkeng Town, Dongguan, Guangdong

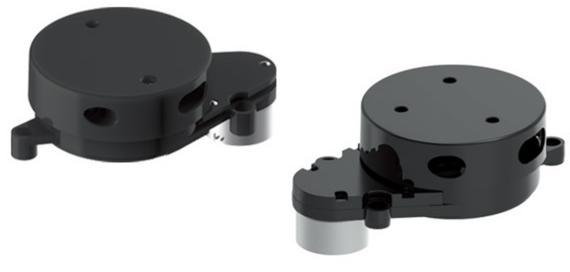
# INTELLIGENT SENSOR SELECTION GUIDELINES

## TRIANGULATION RANGING SERIES

### GS2/GS1/GS5 SERIES

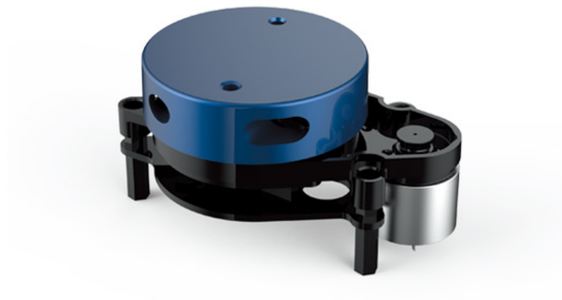
| | |
|---|---|
| Ranging Frequency(Hz) | 7.5-28 |
| FOV（Deg） | 100-108 |
| Ranging Distance(mm) | 25-300@80% |
| Dimension(mm) | (Top)25.6*23.6*12.1/(Side)25.6*23.6*11 |

### S2/S2PRO



| | |
|---|---|
| Ranging Frequency(Hz) | 3000 |
| Scanning Frequency(Hz) | 6(5-8) |
| Ranging Distance(m) | 0.12-8@80% |
| Dimension(mm) | 96.2*60.5*40.1 |

### X2



| | |
|---|---|
| Ranging Frequency(Hz) | 3000 |
| Scanning Frequency(Hz) | 6(5-8) |
| Ranging Distance(m) | 0.12-8@80% |
| Dimension(mm) | 96*60.5*50.3 |

### G2/G5/G7

| | |
|---|---|
| Ranging Frequency(Hz) | 5000/9000/10000 |
| Scanning Frequency(Hz) | 7(5-12) |
| Ranging Distance(m) | 0.12-16@80%/0.28-16@80% |
| Dimension(mm) | Φ73.7*42.5 |

### G4/G6

| | |
|---|---|
| Ranging Frequency(Hz) | 9000/18000 |
| Scanning Frequency(Hz) | 7(5-12) |
| Ranging Distance(m) | 0.28-16@80% |
| Dimension(mm) | Φ72.3*41.2 |

### X4 Pro

| | |
|---|---|
| Ranging Frequency(Hz) | 5000 |
| Scanning Frequency(Hz) | 6-12 |
| Ranging Distance(m) | 0.12-10@80% |
| Dimension(mm) | 110.6*71.5*52.3 |

## ToF SERIES

### T-mini Pro/T-mini Plus

| | |
|---|---|
| Ranging Frequency(Hz) | 4000 |
| Scanning Frequency(Hz) | 6(6-12) |
| Ranging Distance(m) | 0.05-12@80% |
| Dimension(mm) | 38.6*38.6*33.9 |
| Net Weight(g) | 45 |

### TIA/TEA SERIES

| | |
|---|---|
| Ranging Frequency(Hz) | 20000/30000 |
| Scanning Frequency(Hz) | 20(10-30) |
| Ranging Distance(m) | 0.05-25@80% |
| Dimension(mm) | 53*53*82 |
| Supports RJ45 Interface | |

### TG15/30 SERIES

| | |
|---|---|
| Ranging Frequency(Hz) | 20000 |
| Scanning Frequency(Hz) | 7(5-12) |
| Ranging Distance(m) | 0.05-30@80% |
| Dimension(mm) | Φ75.8*34.7 |
| Net Weight(g) | 140 |

### TSA PRO SERIES

| | |
|---|---|
| Ranging Frequency(Hz) | 4000 |
| Scanning Frequency(Hz) | 6(5-8) |
| Ranging Distance(m) | 0.05-12@80% |
| Dimension(mm) | 95.8*60.4*37.75 |

### HP60C

| | |
|---|---|
| FOV | 73.8(H)58.8(V)86.4(D) |
| Accuracy Error(mm) | <2@1m |
| Ranging Distance(m) | 0.2-4 |
| Dimension(mm) | 89.8*19.0*25.0 |

### SDM15 SERIES

| | |
|---|---|
| Ranging Frequency(Hz) | 10-1800 |
| Ranging Distance(m) | 0.05-15 |
| Dimension(mm) | 45*22.3*17.2 |
| Weight(g) | 15 |

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