

# SPECIFICATION

**Product Name:** 2D Bluetooth Barcode Scanner

**Product Model:** A-9522BTSR



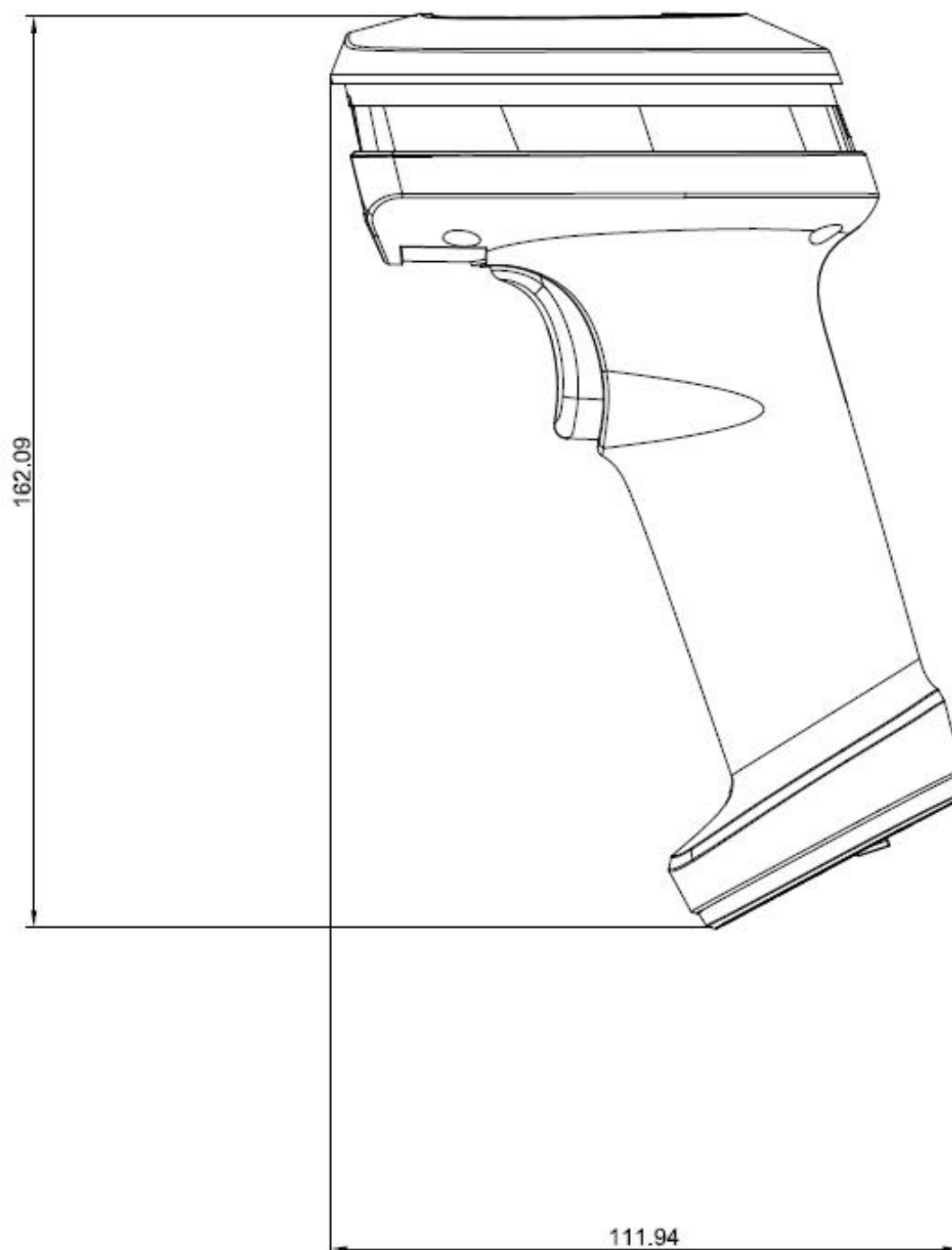
## A-9522BTSR Feature

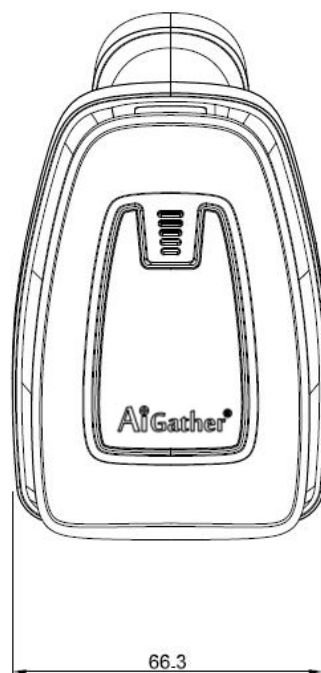
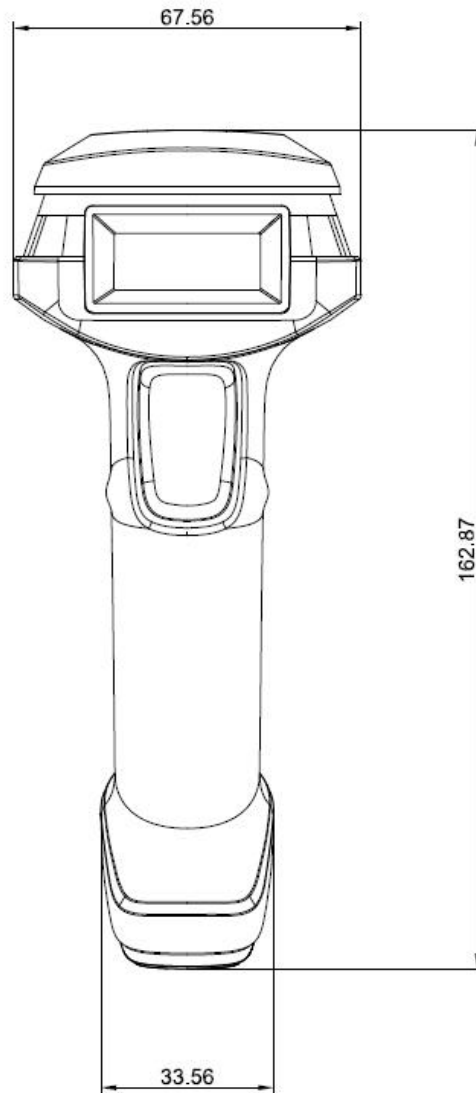
- The layered appearance and the mirror design on the top create a new aesthetic experience. The new button design with the high-rebound switch components, the handle perfectly fits the palms of different sizes.
- Equipped with the advanced decoding algorithm patented by AiGather, easy to read barcode, qr code, DM, PDF417, etc.
- Support many keyboard languages, no need driver, just plug and play, compatible with major operating systems;
- Professional electrostatic protection and anti-interference design, can be used normally in complex electromagnetic environment.
- Large-capacity battery, can continue reading more than 80,000 codes;
- 2.4G wireless transmission, automatic frequency hopping and anti-interference, the effective transmission distance in open space can reach 100 meters; Bluetooth can reach 50m in open space.
- The rear end is designed with a USB receiver storage compartment, which can effectively prevent loss.
- Long depth of field, large field of view, easy to scan long-distance barcode, can read 13mil commodity barcodes at a distance of 450mm, and 3mil low-density barcode also have excellent reading effects;

## A-9522BTSR Main Parts



## A-9522BTSR Product Size





## A-9522BTSR Specification

| Performance Parameter    |  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
|--------------------------|--|-------------------|----------------|-----------------|------------|----------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|---------|------------|----------|------------|----------|------------|----------|------------|
| Light Source             | LED White light  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Aiming Light             | Green Dot  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Image Sensor             | 1280*800 pixels  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| CPU                      | 1.2G Dual core   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Resolution(maximum)      | 3mil   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Minimum Print Contrast   | 15% Reflection Difference  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Image Field of View      | D 54°/ H 45°/ V30°   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Reading Angle            | Pitch: 0-360°; Roll(Tilt): ±60°; Skew (Yaw): ±60°  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Decoding Capability      | <p>1D: All standard 1D codes including GS1 DataBar™ linear code can be automatically distinguished and decoded.</p> <p>2D: Aztec Code; Data Matrix; MaxiCode; QRCode; HANXIN; MicroQR Code</p> <p>Stack code: GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Composite; MicroPDF417; PDF417.</p>  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Reading Indicators       | LED light&Buzzer(adjustable tone and volume)   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Typical depth of Field   | <table> <tr> <th>Precision Barcode</th><th>Depth of Field</th></tr> <tr> <td>3.34mil CODE 39</td><td>60mm—160mm</td></tr> <tr> <td>3.34mil EAN-13</td><td>90mm—150mm</td></tr> <tr> <td>5mil CODE39</td><td>70mm—240mm</td></tr> <tr> <td>5mil EAN-13</td><td>70mm—230mm</td></tr> <tr> <td>13mil UPC-A</td><td>40mm—450mm</td></tr> <tr> <td>5mil PDF417</td><td>65mm—210mm</td></tr> <tr> <td>5mil QR</td><td>75mm—140mm</td></tr> <tr> <td>10mil QR</td><td>45mm—290mm</td></tr> <tr> <td>10mil DM</td><td>30mm—260mm</td></tr> <tr> <td>20mil QR</td><td>30mm—420mm</td></tr> </table> <p>(The minimum depth of field is determined by the barcode length and scanning angle. It depends on the print resolution, contrast and ambient light.)</p> | Precision Barcode | Depth of Field | 3.34mil CODE 39 | 60mm—160mm | 3.34mil EAN-13 | 90mm—150mm | 5mil CODE39 | 70mm—240mm | 5mil EAN-13 | 70mm—230mm | 13mil UPC-A | 40mm—450mm | 5mil PDF417 | 65mm—210mm | 5mil QR | 75mm—140mm | 10mil QR | 45mm—290mm | 10mil DM | 30mm—260mm | 20mil QR | 30mm—420mm |
| Precision Barcode        | Depth of Field   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 3.34mil CODE 39          | 60mm—160mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 3.34mil EAN-13           | 90mm—150mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 5mil CODE39              | 70mm—240mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 5mil EAN-13              | 70mm—230mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 13mil UPC-A              | 40mm—450mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 5mil PDF417              | 65mm—210mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 5mil QR                  | 75mm—140mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 10mil QR                 | 45mm—290mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 10mil DM                 | 30mm—260mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| 20mil QR                 | 30mm—420mm   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Electrical Parameter     |  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Current                  | Working current(Standard): < 280 mA Standby current(Standard): 110 mA  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Input Voltage            | 5 VDC (+/- 5%)/500mA   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Environmental Parameter  |  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| ESD protection           | Air discharge: 15Kv; Contact discharge: 8Kv  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Drop resistance          | Withstands repeated drops from 1.2m/4.0 ft onto a concrete surface.  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Temperature              | Working: 0 to 40 °C<br>Storage/Transport: -40 to 70 °C   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Humidity(non-condensing) | 5 - 95%  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Ambient light            | Indoor: 0 to 6,000 lux; Outdoor: 0 to 100,000 lux  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Cordless Parameter       |  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Transmission distance    | 100m for 2.4G; 50m for Bluetooth (in open space)   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Communication mode       | Wireless real-time transmission/wired transmission/storage mode  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Battery capacity         | 2000mAh  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Continuous working time  | > 12H  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Charging time            | 4-5H   |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |
| Warranty                 | 24 months  |                   |                |                 |            |                |            |             |            |             |            |             |            |             |            |         |            |          |            |          |            |          |            |

## Product maintenance tips?

1. The reading window must be kept clean.
2. Avoid hard and rough objects to wear or scratch the reading window;
3. Use a brush to remove stains on the reading window;
4. Please use a soft cloth to clean the window, such as glasses cleaning cloth;
5. It is forbidden to spray any liquid on the window;
6. It is forbidden to use any cleaning agents other than clean water.