

SPECIFICATION

Product Name: 2D Desktop Barcode Scanner

Product Model: A-90

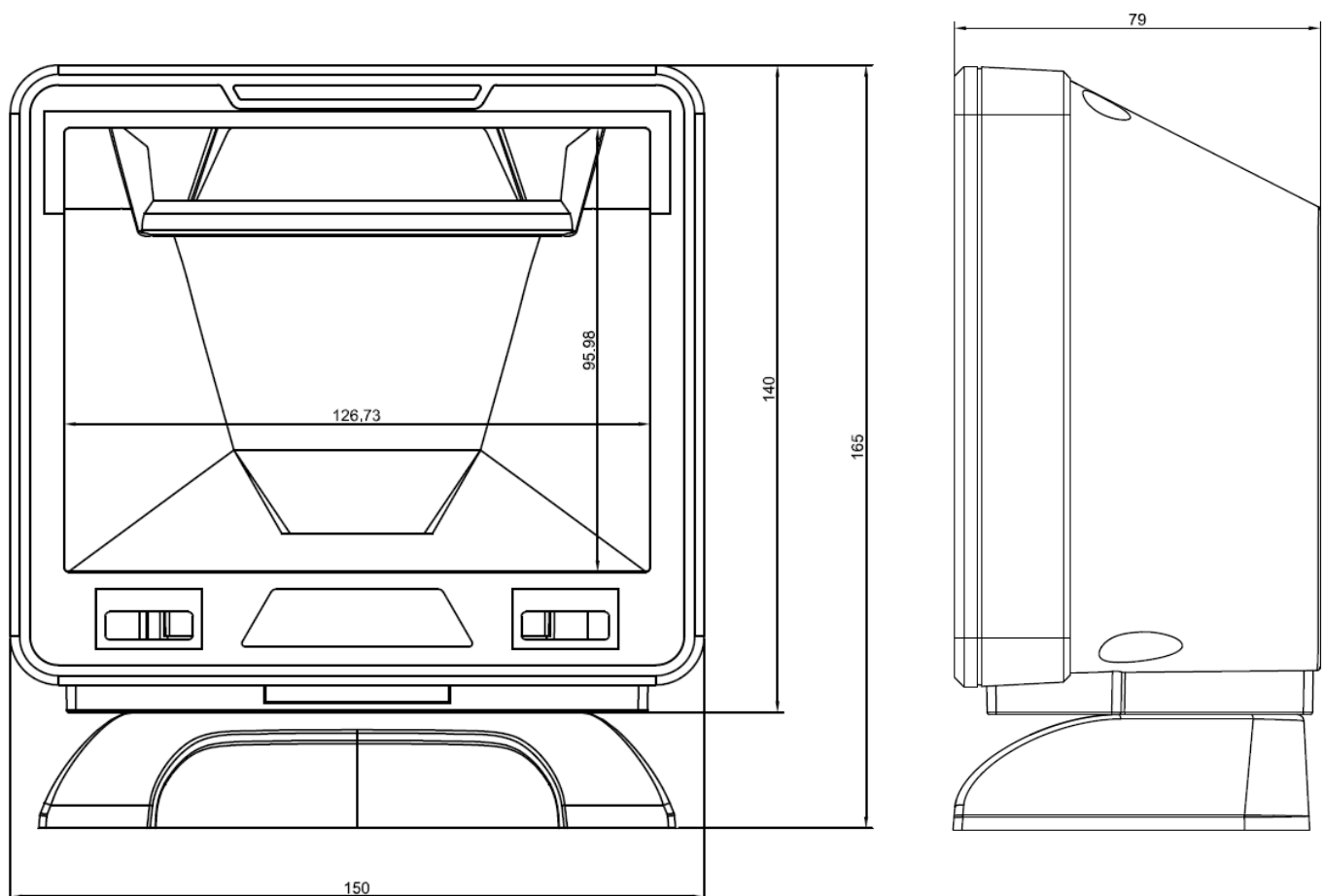


A-90 Features

A-90 is a desktop CMOS barcode scanner with stylish appearance and exquisite workmanship. Equipped with AiGather's patented advanced decoding algorithm, combined with a new decoding chip and a megapixel camera, as well as a 2M/S motion tolerance and a large reading window, it can easily handle various high-speed scanning operations.

And in different application scenarios, it also has excellent performance capabilities. The embedded shell design can be easily connected to the cashier counter. The clear scanning prompt sound and LED indication enable it to have accurate prompts even in noisy environments.

A-90 Dimensions



Without stand, size is 150*140*79mm, 421g(not include cable)

With stand, size is 150*165*79mm, 480g(not include cable)

A-90 Specification

| Performance Parameter | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|----------------|--|-----------|---------|----------------|------|---------|----------|------|--------|----------|----------|--------|-----------|-------|----|-----------|-------|--------|-----------|-------|----|-----------|-------|----|-----------|
| Light Source | LED Red light (Osram from Germany) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CPU | 1.2G Dual-core | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Image sensor | 1280*1024, 1.3 Million pixels Global Shutter | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resolution(maximum) | 0.102mm / 4mils | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Print contrast ratio(minimum) | ≥20% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Motion tolerance | 2M/sec | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reading Angle | Pitch: 0-360°; Roll(Tilt): ±60°; Skew (Yaw): ±65° | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Decoding Capability | 1D: All standard 1D codes, including GS1 DataBar™ linear code can be automatically distinguished and decoded. 2D: Aztec Code; Data Matrix; MaxiCode; QRCode; HANXIN; MicroQR Code Stack code: GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Composite; MicroPDF417; PDF417. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reading Indicators | LED light&Buzzer(adjustable tone and volume) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Typical depth of Field | <table><tr><td>Precision</td><td>Barcode</td><td>Depth of Field</td></tr><tr><td>5mil</td><td>CODE128</td><td>0mm—90mm</td></tr><tr><td>5mil</td><td>EAN-13</td><td>0mm—90mm</td></tr><tr><td>13.34mil</td><td>EAN-13</td><td>0mm—280mm</td></tr><tr><td>10mil</td><td>QR</td><td>0mm—110mm</td></tr><tr><td>10mil</td><td>PDF417</td><td>0mm—260mm</td></tr><tr><td>20mil</td><td>QR</td><td>0mm—200mm</td></tr><tr><td>20mil</td><td>DM</td><td>5mm—110mm</td></tr></table> (The minimum depth of field is determined by the barcode length and scanning angle. It depends on the print resolution, contrast and ambient light.) | | | Precision | Barcode | Depth of Field | 5mil | CODE128 | 0mm—90mm | 5mil | EAN-13 | 0mm—90mm | 13.34mil | EAN-13 | 0mm—280mm | 10mil | QR | 0mm—110mm | 10mil | PDF417 | 0mm—260mm | 20mil | QR | 0mm—200mm | 20mil | DM | 5mm—110mm |
| Precision | Barcode | Depth of Field | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5mil | CODE128 | 0mm—90mm | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5mil | EAN-13 | 0mm—90mm | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13.34mil | EAN-13 | 0mm—280mm | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10mil | QR | 0mm—110mm | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10mil | PDF417 | 0mm—260mm | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20mil | QR | 0mm—200mm | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20mil | DM | 5mm—110mm | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electrical Parameter | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current | Working current (Standard): < 430 mA Standby current (Standard): < 220 mA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input Voltage | 5 VDC (+/- 10%) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environmental Parameter | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ESD protection | Touch 8 kV; Air 15kV | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | Operation: -10 to 50 °C Storage/Transport: -20 to 65 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Humidity(non-condensing) | 5 - 95% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ambient light | 0 -100,000 lux | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interfaces | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interfaces | RS-232; USB HID; USB COM; HID POS available as per customer’s needs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warranty | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2years warranty | | | | | | | | | | | | | | | | | | | | | | | | | | |

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.