SPECIFICATION
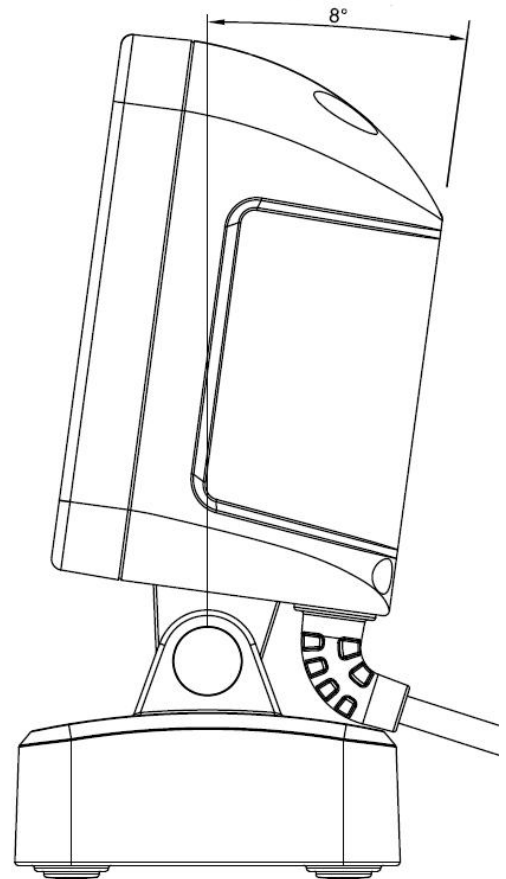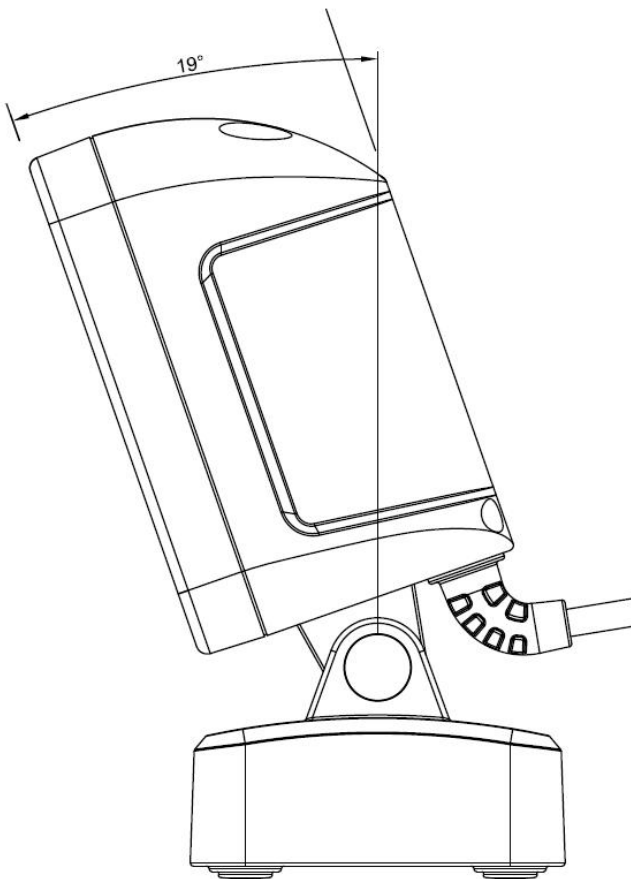
Product Name: 2D Desktop Barcode Scanner

Product Model: A-85
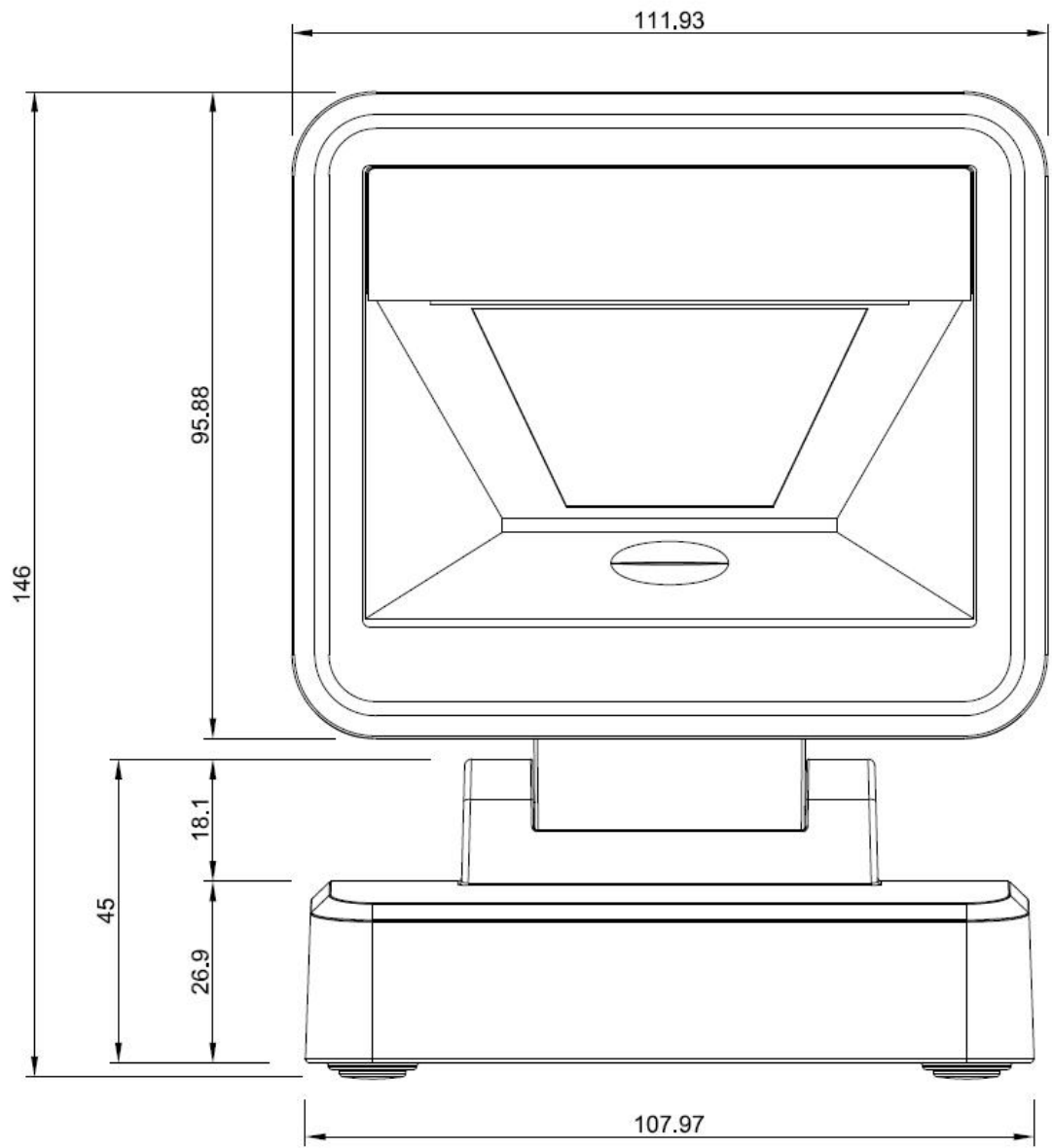
A-85 Features

- Equipped with AiGather's patented advanced decoding algorithm software, combined with a 2m/s motion tolerance and a large reading angle, it delivers an extremely smooth decoding experience;

- Quickly read screen codes and printed codes, support printed codes with a printing contrast of more than 15% and various damaged, wrinkled, or poor printing quality product barcodes;

- Compatible with many operating systems, like Windows, Mac OS, Linux, Android and iOS; besides USB interface are standard, RS-232 and HID POS for option.

- It uses less counter space and has a large scanning viewing and FOV angle. It also supports the free adjustment of the scan window angle front and back, bringing an intuitive experience to users.

A-85 Dimensions

A-85 Specification

Performance Parameter	
Light Source	LED Red light (Osram from Germany)
CPU	1.2G Dual-core
Image sensor	640*480 pixels Global Shutter
Image speed	120FPS
Resolution(maximum)	0.102mm / 4mils
Print contrast ratio(minimum)	≥15%
Motion tolerance	2M/sec
Reading Angle	Pitch: 0-360°; Roll(Tilt): ±60°; Skew (Yaw): ±60°
Angle of field of view	Horizontal: 50°; Vertical: 38°
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	Precision Barcode Depth of Field 5mil CODE128 0mm—70mm 5mil EAN-13 0mm—70mm 13.34mil EAN-13 0mm—240mm 5mil PDF417 5mm—60mm 10mil PDF417 0mm—170mm 15mil PDF417 0mm—280mm 20mil DM 5mm—80mm (The minimum depth of field is determined by the barcode length and scanning angle. It depends on the print resolution, contrast and ambient light.)

Electrical Parameter	
Current	Working current（Standard): < 300 mA Standby current（Standard): < 210 mA
Input Voltage	5 VDC (+/- 10%)/500mA

Environmental Parameter	
ESD protection	Touch 8 kV; Air 15kV
Drop resistance	Withstands repeated drops from 1.2m/4.0 ft onto a concrete surface.
Particulate and water sealing	IP52
Temperature	Operation: -10 to 50 °C Storage/Transport: -40 to 70 °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.