



SPECIFICATION

Product Name: 2D Desktop Barcode Scanner

Product Model: A-85

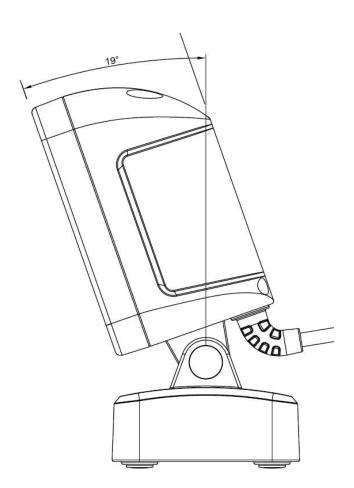


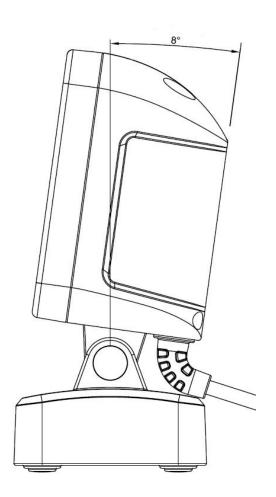




A-85 Features

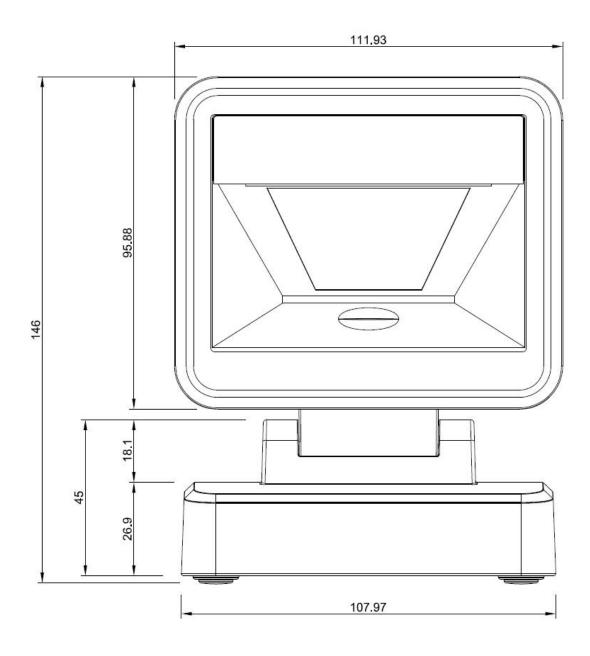
- Equipped with AiGather's patented advanced decoding algorithm software, combined with a 2m/s motion tolerance and a large reading angle, it delivers an extremely smooth decoding experience;
- Quickly read screen codes and printed codes, support printed codes with a printing contrast of more than 15% 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

Decomposition Decompositi	Performance Parameter	
Image sensor 640*480 pixels Global Shutter Image speed 120FPS	Light Source	LED Red light (Osram from Germany)
Image speed 120FPS	CPU	1.2G Dual-core
Resolution(maximum) 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 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 lighti8Buzzer(adjustable tone and volume) Precision Barcode Depth of Field Precision Barcode Depth of Field Precision Barcode Depth of Field Finil CODE128 0mm—70mm 13,34mil EAN-13 0mm—70mm 13,34mil EAN-13 0mm—240mm 5mil PDF417 0mm—240mm 5mil PDF417 0mm—240mm 5mil 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 Imput Voltage 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 1P52 Temperature Operation: -10 to 50 °C Storage/Transport: -40 to 70 °C Humidity/non-condensing) 5 - 95% Ambient light 1 0-100,000 lux Interfaces Interfaces Interfaces Interfaces Interfaces Warranty	Image sensor	640*480 pixels Global Shutter
Print contrast ratio(minimum) ≥15% Motion tolerance Reading Angle Pitch: 0-360°; Roll(Titt): ±60°; Skew (Yaw): ±60° Angle of field of view 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 Composite; MicroPDF417; PDF417. Reading Indicators LED light&Buzzer(radjustable tone and volume) Precision Barcode Depth of Field Smil CODE128 0mm—70mm Smil EAN-13 0mm—70mm Smil EAN-13 0mm—70mm Smil PDF417 5mm—60mm 10mil PDF417 0mm—170mm 10mil 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) A-bis British Stransport: -40 to 70 °C Storage/Transport: -40 to 70 °C Storage/Transport: -40 to 70 °C Humidity(non-condensing) RS-232; USB HID: USB COM: HID POS available as per customer's needs Warranty	Image speed	120FPS
Motion tolerance 2 M/sec Reading Angle Pitch: 0-360°, Roll(Tiil): ±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 of GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked of GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS	Resolution(maximum)	0.102mm / 4mils
Reading Angle Pritch: 0-360°; Roll(Tirl): ±60°; Skew (Yaw): ±60° Angle of field of view Horizontal: 50°; Vertical: 38° Decoding Capability 10. All standard 10 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 D	Print contrast ratio(minimum)	≥15%
Angle of field of view Decoding Capability 1D: All standard 1D codes, including GS1 DataBar™ linear code can be automatically distinguished and decoded. 2D: Aztec Code: Data Martix; MaxiCode; QRCode; HANXIN; MicroQR Code Stack code: GS1 DataBar Expanded Stacked; GS1 DataBar Sta	Motion tolerance	2M/sec
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	Reading Angle	Pitch: 0-360°; Roll(Tilt): ±60°; Skew (Yaw): ±60°
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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 Smil CODE128 0mm—70mm Smil EAN-13 0mm—70mm 13.34mil EAN-13 0mm—240mm 5mil PDF417 5mm—60mm 10mil PDF417 0mm—170mm 15mil 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 Interfaces RS-232; USB HID; USB COM; HID POS available as per customer's needs Warranty		distinguished and decoded.
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—170mm 15mil PDF417 0mm—280mm (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		2D: Aztec Code; Data Matrix; MaxiCode; QRCode; HANXIN; MicroQR Code
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Smil CODE 128 Omm—70mm	Reading Indicators	LED light&Buzzer(adjustable tone and volume)
Smil EAN-13 Omm—70mm 13.34mil EAN-13 Omm—240mm Smil PDF417 Smm—60mm 10mil PDF417 Omm—170mm 15mil PDF417 Omm—280mm 20mil DM Smm—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 Working current (Standard): < 300 mA Standby current (Standard): < 210 mA Input Voltage 5 VDC (+/- 10%)/500mA Standby current (Standard): < 210 mA Input Voltage Touch 8 kV; Air 15kV Standard	Typical depth of Field	Precision Barcode Depth of Field
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Smil PDF417		5mil EAN-13 0mm—70mm
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 IRS-232; USB HID; USB COM; HID POS available as per customer's needs Warranty		13.34mil EAN-13 0mm—240mm
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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 RS-232; USB HID; USB COM; HID POS available as per customer's needs Warranty	Input Voltage	5 VDC (+/- 10%)/500mA
Drop resistance Particulate and water sealing IP52 Temperature Operation: -10 to 50 °C Storage/Transport: -40 to 70 °C Humidity(non-condensing) Ambient light O -100,000 lux Interfaces Interfaces RS-232; USB HID; USB COM; HID POS available as per customer's needs Warranty	Environmental Parameter	
Particulate and water sealing 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	ESD protection	Touch 8 kV; Air 15kV
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	Drop resistance	Withstands repeated drops from 1.2m/4.0 ft onto a concrete surface.
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	Particulate and water sealing	IP52
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	Temperature	Operation: -10 to 50 °C
Ambient light 0 -100,000 lux Interfaces Interfaces RS-232; USB HID; USB COM; HID POS available as per customer's needs Warranty		Storage/Transport: -40 to 70 °C
Interfaces Interfaces RS-232; USB HID; USB COM; HID POS available as per customer's needs Warranty	Humidity(non-condensing)	5 - 95%
Interfaces RS-232; USB HID; USB COM; HID POS available as per customer's needs Warranty	Ambient light	0 -100,000 lux
Warranty	Interfaces	
•	Interfaces	RS-232; USB HID; USB COM; HID POS available as per customer's needs
2years warranty	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.