

[manuals.plus](#) /

› [Docooler](#) /

› [Docooler Desktop Barcode Scanner User Manual \(Model WYQ8043782146265IA\)](#)

**Docooler WYQ8043782146265IA**

# Docooler Desktop Barcode Scanner User Manual

Model: WYQ8043782146265IA

## 1. INTRODUCTION

Thank you for choosing the Docooler Desktop Barcode Scanner. This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read these instructions carefully to ensure optimal performance and longevity of your scanner.



**Image 1.1:** Front view of the Docooler Desktop Barcode Scanner. This device is designed for efficient and hands-free barcode scanning.

## 2. PRODUCT OVERVIEW

The Docooler Desktop Barcode Scanner is an automatic, omnidirectional 1D and 2D barcode reader designed for various retail and warehouse environments. Its advanced features ensure fast and accurate data capture.

### Key Features:

- **Global Exposure Technology:** Equipped with a 300,000 pixel global exposure scan engine, capturing entire barcode frames simultaneously for fast and accurate scanning.
- **Super Fast Scanning:** Achieves a scanning rate of 120 frames per second, ideal for high-throughput requirements. Features an infrared induction trigger for auto-sensing mode.
- **Wide Scanning Angle:** Offers a wide scanning range of  $\pm 60^\circ$  left-right,  $\pm 54^\circ$  front-back, and  $360^\circ$

omnidirectional rotation, allowing flexible barcode positioning.

- **Advanced Decoding Capabilities:** Supports a broad range of 1D and 2D barcodes, including QR Code, Data Matrix, PDF417, Micro QR Code, and Aztec Code. Capable of reading codes from mobile phone screens.
- **Plug and Play:** Connects easily via USB cable to laptops, desktops, and POS systems without requiring additional software or drivers.

## Ultra-Fast Scanning Capability

Engineered for speed, our barcode scanning platform achieves a rapid scanning rate of 120 scans per second.



**Image 2.1:** The scanner demonstrating its ultra-fast scanning capability by reading a barcode from a mobile phone screen.

# Advanced Decoding Capabilities

With the ability to decode a wide array of 1D and 2D barcodes,  
including QR Code, Data Matrix, and PDF417



QR Code



Data Matrix



PDF417



1D barcodes



**Image 2.2:** Illustration of the scanner's ability to decode various 1D and 2D barcode formats, such as QR Code, Data Matrix, and PDF417.

# Wide Scanning Angles

Our barcode scanning platform is designed with an expansive scanning angle range, featuring  $\pm 70^\circ$  left-right,  $\pm 54^\circ$  front-back, and a full  $360^\circ$  rotation capability



**Image 2.3:** The scanner's wide scanning angles are depicted, showing its capability to read barcodes from various orientations.

## 3. SETUP

The Docooler Desktop Barcode Scanner is designed for simple plug-and-play installation.

1. Unpack the scanner and its USB cable from the packaging.
2. Connect the USB Type-B end of the cable to the port on the back of the scanner.
3. Connect the USB Type-A end of the cable to an available USB port on your computer or Point-of-Sale (POS) system.
4. The operating system should automatically detect and install the necessary drivers. No additional software installation is typically required.
5. Once connected, the scanner is ready for use.

## 4. OPERATING INSTRUCTIONS

The scanner operates in an automatic, hands-free mode, making barcode reading efficient.

1. Ensure the scanner is properly connected to your computer or POS system and powered on.
2. Position the item with the barcode in front of the scanner's window. The scanner's infrared induction trigger will automatically detect the presence of an item.
3. The scanner will emit a red light to read the barcode.
4. Upon a successful scan, the scanner will emit a short beep (buzzer) and an LED indicator light will confirm the read.
5. The decoded barcode data will be transmitted to your connected system as keyboard input.



**Image 4.1:** The Docooler Desktop Barcode Scanner in operation at a retail counter, efficiently scanning an item for a customer.



**Image 4.2:** The scanner facilitating a mobile payment by reading a QR code displayed on a smartphone at a coffee shop counter.

# High-Resolution Imaging

Our barcode scanner delivers exceptional clarity with a resolution of 1280x800 pixels, translating to 1 megapixels.



**Image 4.3:** A close-up view emphasizing the scanner's high-resolution imaging capability as it reads a QR code from a smartphone.

## 5. MAINTENANCE

Regular maintenance helps ensure the scanner's optimal performance and extends its lifespan.

- **Cleaning the Scanning Window:** Use a soft, lint-free cloth, slightly dampened with water or a mild, non-abrasive cleaner, to gently wipe the scanning window. Avoid using harsh chemicals, solvents, or abrasive materials, as these can scratch or damage the window.
- **General Cleaning:** Wipe the exterior of the scanner with a soft, dry cloth to remove dust and debris.
- **Cable Care:** Ensure the USB cable is not bent, twisted, or subjected to excessive strain, which could damage the internal wires.
- **Storage:** When not in use for extended periods, store the scanner in a clean, dry environment away from

direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

If you encounter issues with your Docooler Desktop Barcode Scanner, refer to the following common problems and solutions:

- **Scanner not reading barcodes:**

- Ensure the USB cable is securely connected to both the scanner and the host device.
- Verify that the barcode is clean, undamaged, and clearly printed.
- Confirm that the barcode type (1D or 2D) is supported by the scanner (refer to Specifications).
- Ensure there is adequate lighting for the scanner to read the barcode.
- Try scanning a different, known-good barcode to rule out an issue with the specific barcode.

- **No indicator light or buzzer sound:**

- Check the USB connection to ensure it is firm and the scanner is receiving power.
- Try connecting the scanner to a different USB port or another computer to diagnose power issues.

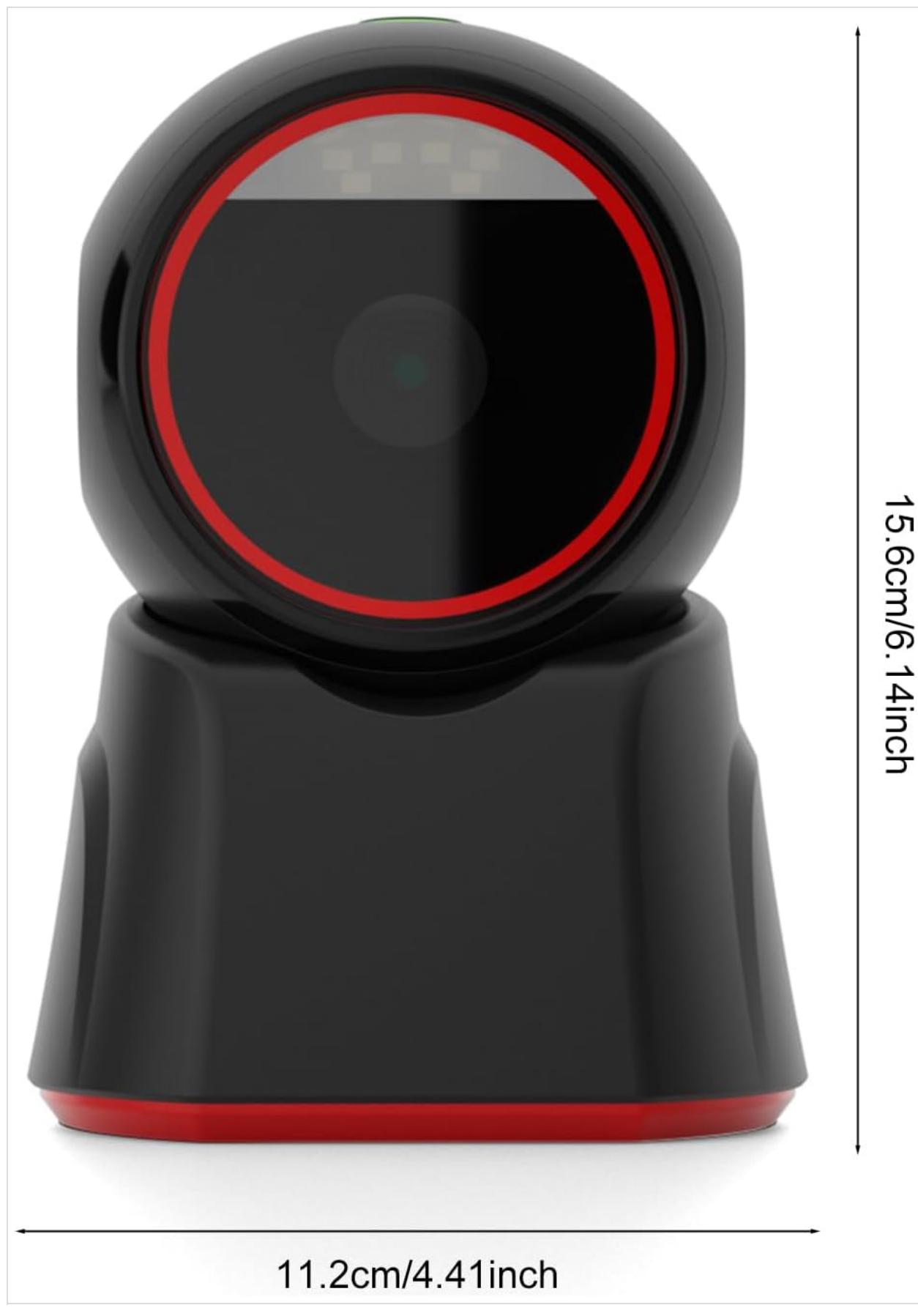
- **Slow or inconsistent scanning:**

- Clean the scanning window as described in the Maintenance section.
- Ensure there are no obstructions between the barcode and the scanner's window.
- Check for any background interference or reflections that might affect scanning performance.

## 7. SPECIFICATIONS

<b>Scanning Mode</b>	Auto-sensing / Continuous scanning
<b>Interface Type</b>	USB TYPE-B
<b>Indicator</b>	Buzzer, LED light
<b>Scanning Type</b>	CMOS global exposure
<b>Resolution</b>	640*480 pixels
<b>Light Source</b>	617nm red light LED
<b>Scanning Angle</b>	±60° (left-right), ±54° (front-rear), 360° (rotation)
<b>Scanning Rate</b>	120 frames/second
<b>Field of View Angle</b>	48° (H) x 30° (V)
<b>Printing Contrast</b>	Minimum 20%
<b>Decoding Types (1D)</b>	EAN13, EAN 8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code11, CodeBar, MSI, RSS-14, RSS-Ltd, RSS-Exp, Plessey
<b>Decoding Types (2D)</b>	QR Code, Data Matrix (DM), PDF417, Micro QRCode, Aztec Code (supports mobile phone screen reading)
<b>Minimum Resolution</b>	1D 5mil, 2D 7mil

<b>Depth of Field</b>	QR (20mil): 0~230mm QR Payment Code (Mobile): 0~290mm Data Matrix (10mil): 0~45mm PDF 417 (7mil): 0~130mm EAN-13 (13mil): 0~270mm Code 39 (8mil): 0~180mm Code 128 (7mil): 0~140mm
<b>Input Voltage</b>	DC 5V±10%
<b>Current</b>	Working: 240mA; Standby: 190mA
<b>Operating Temperature</b>	0°C - 50°C
<b>Storage Temperature</b>	-20°C - +70°C
<b>Humidity</b>	5%-95% (without condensation)
<b>Shell Material</b>	ABS+PC
<b>Color</b>	Black
<b>Cable Length</b>	1.35m straight line
<b>Item Size</b>	156 x 112 x 103 mm (6.14 x 4.41 x 4.05 inches)
<b>Item Weight</b>	270g (9.52oz)



**Image 7.1:** Front view of the scanner with its primary dimensions indicated.





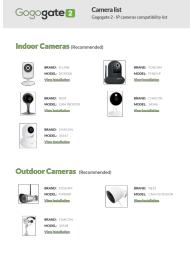
**Image 7.2:** Side view of the Docooler Desktop Barcode Scanner.

## 8. WARRANTY AND SUPPORT

For product support, technical assistance, or warranty inquiries, please contact Docooler customer service through the official channels. You can find more information and contact details by visiting the Docooler Store:

[Visit the Docooler Store](#)

### Related Documents - WYQ8043782146265IA

	<p><a href="#">Docooler AD801 Infrared Forehead Thermometer User Manual and Product Certificate</a></p> <p>User manual and product certificate for the Docooler AD801 Infrared Forehead Thermometer, detailing its features, applications, precautions, and maintenance. Includes quality inspection information.</p>
	<p><a href="#">Wall Mountable Bluetooth CD Player User Manual - docooler KC-909</a></p> <p>Comprehensive user manual for the docooler KC-909 Wall Mountable Bluetooth CD Player. This guide provides detailed information on features, specifications, basic operation, installation, remote control usage, background light settings, time and timer functions, sleep mode, warnings, and troubleshooting.</p>
	<p><a href="#">Gogogate 2 IP Camera Compatibility List</a></p> <p>A comprehensive list of IP cameras compatible with the Gogogate 2 system, including brands, model numbers, and installation resources.</p>
	<p><a href="#">AlphaTheta rekordbox Lighting Fixture Compatibility List</a></p> <p>Discover compatible lighting fixtures for AlphaTheta's rekordbox software. This comprehensive list details brands and models to enhance DJ lighting control and event production.</p>

