

NETUM NT-2085L

NETUM NT-2085L Pro 2D Omnidirectional Desktop Barcode Scanner User Manual

Model: NT-2085L

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your NETUM NT-2085L Pro 2D Omnidirectional Desktop Barcode Scanner. Please read this manual carefully before using the device to ensure proper functionality and to maximize its performance.

PRODUCT OVERVIEW

The NETUM NT-2085L Pro is a high-performance 2D omnidirectional desktop barcode scanner designed for efficient and accurate scanning in various environments such as retail, POS systems, and supermarkets. It features a megapixel high-resolution sensor and an ultra-wide-angle lens for versatile barcode capture.

Key Features:

- **High-Resolution Megapixel Sensor:** Enhances scanning accuracy for various barcode types.
- **Automatic Scanning Mode:** Enables hands-free operation, improving workflow efficiency.
- **Ultra-Wide Angle Lens:** Captures barcodes from multiple angles without precise alignment.
- **Superior Decoding Capability:** Reads over 40 types of 1D and 2D barcodes, including QR, PDF417, Data Matrix, and more, from both paper and digital screens.
- **Integrated LED Lighting:** Eight overhead LED bulbs provide supplemental lighting for optimal scanning in diverse conditions.
- **Compact Design:** Space-saving form factor suitable for limited counter space.

2085L PRO

2D Desktop Barcode Scanner

Omnidirectional Hands-Free Wired USB Barcode Reader QR Barcodes Scanning



Resolution

1280pixels(H) x 800pixels(V)

Decoding Accuracy

1D $\geq$ 3mil 2D $\geq$ 5mil

Image: The NETUM NT-2085L Pro 2D Omnidirectional Desktop Barcode Scanner, showcasing its compact design and scanning window.

SETUP INSTRUCTIONS

The NT-2085L Pro scanner is designed for plug-and-play operation, requiring no driver installation.

1. **Unpack the Scanner:** Carefully remove the scanner from its packaging.
2. **Connect the USB Cable:** Plug the USB cable from the scanner into an available USB port on your PC, laptop, or POS system. The scanner requires a single USB connection for both power and data transfer.
3. **System Recognition:** Your operating system (Windows XP/7/8/10/11, Mac OS, Linux) will automatically detect and configure the scanner. No additional software or drivers are typically needed.
4. **Verification:** Once connected, the scanner will emit a short beep and the indicator light may illuminate, indicating it is ready for use.

Note: This scanner is not compatible with Square POS systems.

PLUG & PLAY

No need to install any driver or apps



PC



Laptop



POS



Windows



Mac OS



Linux

1.8m



Support Interface

LAN | USB Keyboard | USB COM

Image: The NETUM NT-2085L Pro scanner connected via its 1.8m USB cable to a device, illustrating its plug-and-play setup.

OPERATING INSTRUCTIONS

The NT-2085L Pro is designed for hands-free, omnidirectional scanning.

- Positioning:** Place the item with the barcode facing the scanner's window. The omnidirectional design allows for scanning from various angles without needing to precisely align the barcode.
- Automatic Scanning:** The scanner will automatically detect and read the barcode when it enters its scanning field. A successful scan is typically indicated by a short beep and a flash of light.
- Supported Barcode Types:** The scanner supports a wide range of 1D and 2D barcodes, including:
 - 1D Codes:** UPC-A/UPC-E, EAN13/EAN8/ISBN/ISSN, Code128/GS-128, Code39, Code93, Code32, Code11, Codabar, MSI PLSEEY, ITF25, STD25, Matrix25, IND25, HK25, Pharma code, Telepen, Trioptic code, Brazilian bank code, Postal Code, GS1 Databar, GS1 Composite code.
 - 2D Codes:** QR Code/Micro QR, Data Matrix, PDF417/Micro PDF417, Aztec, Maxicode, Hanxin.

4. **Scanning from Screens:** The scanner can effectively read barcodes displayed on digital screens, such as smartphones or tablets.



Image: Illustration of the scanner's decoding capability, showing various 1D and 2D barcodes being read from a screen and paper.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your barcode scanner.

- **Cleaning the Scanning Window:** Use a soft, lint-free cloth lightly dampened with a mild, non-abrasive cleaner to wipe the scanning window. Avoid harsh chemicals or abrasive materials that could scratch the surface.
- **Dust Removal:** Periodically use compressed air to remove dust and debris from the scanner's housing and crevices.
- **Cable Inspection:** Regularly check the USB cable for any signs of damage, fraying, or kinks. Replace the cable if damage is observed to prevent connectivity issues.
- **Storage:** When not in use for extended periods, store the scanner in a clean, dry environment away from direct

sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your NETUM NT-2085L Pro scanner, refer to the following common solutions:

Problem	Possible Cause	Solution
Scanner does not power on.	USB cable not properly connected or faulty USB port.	Ensure the USB cable is securely plugged into both the scanner and the computer. Try a different USB port or computer.
Scanner does not read barcodes.	Barcode is damaged, blurry, or not supported. Scanner window is dirty. Insufficient lighting.	Ensure the barcode is clear and undamaged. Clean the scanning window. Verify the barcode type is supported. Ensure adequate lighting.
Scanner reads incorrectly or intermittently.	Interference from other devices. Loose cable connection.	Ensure the USB cable is secure. Move the scanner away from potential sources of electromagnetic interference.
Scanner is not recognized by the computer.	Operating system issue or incompatible system (e.g., Square POS).	Restart your computer. Try connecting to a different computer. Confirm your system is compatible (not Square POS).

SPECIFICATIONS

Feature	Detail
Model Number	NT-2085L
Brand	NETUM
Sensor	Megapixel CMOS sensor
Resolution	1280H * 800V pixels
Light Source	625nm Red LED
Viewing Angle	Horizontal 42°, Vertical 31°
Supported Code Types (1D)	UPC-A/UPC-E, EAN13/EAN8/ISBN/ISSN, Code128/GS-128, Code39, Code93, Code32, Code11, Codabar, MSI PLSEEY, ITF25, STD25, Matrix25, IND25, HK25, Pharma code, Telepen, Trioptic code, Brazilian bank code, Postal Code, GS1 Databar, GS1 Composite code
Supported Code Types (2D)	QR Code/Micro QR, Data Matrix, PDF417/Micro PDF417, Aztec, Maxicode, Hanxin
Recognition Accuracy	1D code: 5mil Code 39; 2D code: 6.5mil QR code
Printing Contrast	25%
Operating Temperature	-20°C to +50°C (-4°F to 122°F)
Storage Temperature	-40°C to +70°C (-40°F to 158°F)
Operating Humidity	5% to 95% (non-condensing)

Feature	Detail
Environmental Illuminance	0 to 100000 LUX
Power Supply Voltage	DC +5V ±5%
Start-up Current	330mA
Standby Current	190mA
Operating Current	240mA
Interface	USB COM/Keyboard
Dimensions	144mm x 135mm x 103mm
Item Weight	0.65 kg
Connectivity Technology	USB Cable
Compatible Devices	PC, Laptop, POS systems

Robust and durable structural design

Ultra-wide scanning range with a large lighting design, enabling rapid barcode capture for improved efficiency



Image: The NETUM NT-2085L Pro scanner with its dimensions and weight indicated.

WARRANTY AND SUPPORT

NETUM is committed to providing quality products and customer support.

- **Warranty Information:** Specific warranty details are typically provided with your purchase documentation. Please refer to the warranty card or contact NETUM customer service for precise terms and conditions.
- **Technical Support:** For technical assistance, troubleshooting guides, or frequently asked questions, please visit the official NETUM website. Free chat support may also be available for immediate assistance.
- **Contact Information:** Refer to your product packaging or the official NETUM website for the most current contact information for customer service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question