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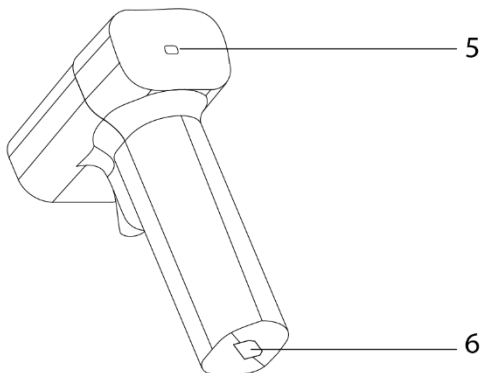
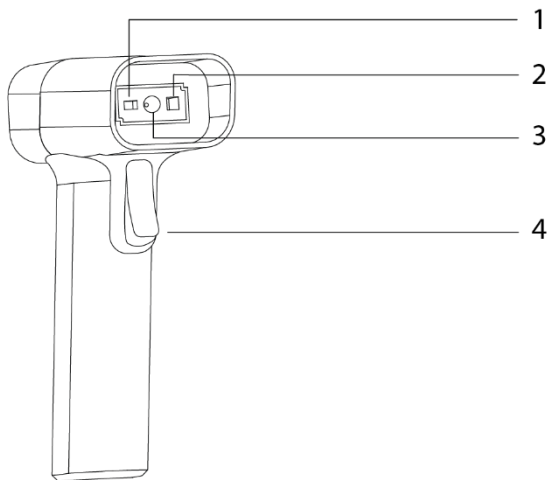
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# Introduction

**Nizi Scan**, made by **Yarsa Tech**, is a powerful and reliable wired scanner designed for effortless and accurate scanning of various code formats. The scanner comes neatly packaged with **one user manual, one USB cable, and one Nizi Scan**, providing everything needed for quick setup and easy use.

# Hardware Overview



1. —————→ Aiming Light LED
2. —————→ Fill Light LED
3. —————→ Camera
4. —————→ Trigger Key
5. —————→ Green Light LED
6. —————→ Cable Interface

**Aiming Light LED** - Helps with positioning by acting as an aiming guide, ensuring accurate alignment for efficient scanning.

**Fill Light LED** - Enhances visibility in low-light conditions, improving barcode readability by increasing contrast.

**Camera** - Captures and processes images of various code formats, extracting data accurately. It enhances visibility and supports

scanning of damaged or complex codes, including 1D and 2D formats.

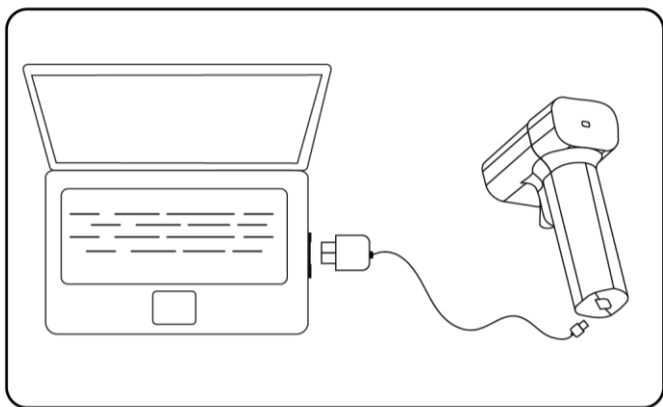
**Trigger Key** - Ergonomic trigger button that users press to start scanning. It provides a comfortable grip, ensuring easy and efficient scanning.

**Green Light LED** - Indicates a successful scan or that the scanner is powered on, confirming proper operation.

**Cable Interface** - Connects Nizi Scan to a computer via the USB Type-B female port, enabling both data transfer and device power.

# Setup and Usage Instructions

1. Connect the scanner using the provided USB cable:
  - Square end (USB Type-B): Connects to the scanner
  - Rectangular end (USB Type-A): Connects to the computer (USB Type-A port)
2. The cable serves two purposes:
  - Provides power to the Nizi Scan.
  - Transfers data to computer.





# Sound Indication

Nizi Scan provides three distinct sounds to indicate different status:

Sound Type	Description
Power On	Long beep, then two short beeps
Setup QR	Two short beeps
Successful Scan	One short beep

# Technical Specification

Color	Grey
Dimensions	106 mm × 148 mm × 50 mm (W × H × D)
Weight (with wire)	114 g
Wire Length	1.5 meters
Image Sensor	640 (H) × 480 (V) CMOS
Scan Angle	31°
Symbol Contrast	20% <i>(Minimum brightness difference required for barcode readability)</i>
Input Voltage	DC 5V±0.25V
Operating Current	160mA
Maximum Peak Current	200mA
Light Source	White LED, Red LED, Green LED
Scan Category	1D Code, 2D Code
Reading Accuracy	1D ≥5mil (0.005 inch), 2D ≥10mil (0.01 inch)
Scan Distance	Up to 30 cm

Decoding Type	<p><b>1D Code:</b>  Code128, Code39,  Code93, Code11,  CodaBar, Interleaved 2  of 5, MSI Plessey,  EAN13, EAN8, UPC-A,  UPC-E0, UPC-E1,  Industrial 25, Matrix 2  of 5, RSS-14, RSS-  Limited, RSS-  Expanded, China Post,  Code 16k</p> <p><b>2D Code:</b> QR Code,  PDF417,  DataMatrix(ECC200),  Chinese  Sensible(HanXin)  Code, Micro QR,  Maxicode Micro, Aztec</p>
Storage Temperature	-20°C to 60°C
Operating Temperature	0°C to 50°C

Prompt Mode	LED, buzzer
Interface Type	USB
Scanning Mode	Manual, Continuous, Sense
Drop Resistance	Tested up to 8ft

# Features

- Plug-and-play functionality for easy setup
- Supports both 1D and 2D barcode scanning
- Long-distance scanning capability of up to 30 cm.
- Manual, Continuous, and Sense modes
- Customizable scanning settings
- LED indicators for operation status
- Operating voltage: 5V DC (powered via USB-A port)
- Multiple buzzer sounds for status indication

# Basic Settings



Restore Default Setting



CR Tail (Enter After Scan)



CRLF Tail (New Line After Scan)



TAB Tail (Next Field After Scan)



Tail Off (Scan Data Only)

Figure 1: Basic Settings

## **Restore Default Settings**

Use this option to reset the device to its factory settings, restoring all default configurations. While scanning this QR, the following modes will be enabled:

- **Manual Mode**
- **Buzzer On**
- **Fill Light On**
- **Aiming Light On**
- **Green Light LED On**
- **CR TAIL (Default)**

## **CR TAIL**

Automatically presses "Enter" after scanning.

## **CRLF TAIL**

Moves the cursor to a new line.

## **TAB TAIL**

Moves to the next field.

## **TAIL OFF**

Sends only the scanned data without any extra key actions.

# Scan Mode Configuration



Manual Mode



Continuous Mode



Sense Mode

*Figure 2: Scanning Mode Setting*

## Manual Mode

In this mode, pressing the trigger key activates the scanning module. Once a code is successfully scanned, the device outputs the data and automatically stops scanning. To scan



another code, simply press the trigger key again. If no code is detected within 5 seconds, the scanner will stop.

## **Continuous Mode**

In this mode, the scanner actively scans without requiring repeated trigger presses. Pressing the trigger button once will stop scanning. To resume scanning in Continuous mode, press the trigger button again.

While in this mode, the fill light and aiming light remain on to indicate that the scanner is in Continuous mode.

## **Sense Mode**

Sense mode enables the scanner to begin scanning automatically when it detects changes in the surrounding light environment. This mode is ideal for hands-free operations where automatic detection is preferred.

While in this mode, the fill light and aiming light remain on to indicate that the scanner is in Sense mode.

# Buzzer Setting



Beep On



Beep Off

*Figure 3: Beep ON/OFF Setting*

## Beep On

By default, Nizi Scan comes with the beep sound enabled. If the beep is off (muted), scan the 'Beep On' option to turn the sound back on.

## Beep Off

Scan to turn off the beep sound.

# Fill Light

The fill light helps scan barcodes in low-light conditions or on surfaces that reflect too much or too little light, ensuring consistent readability.



Fill Light On



Fill Light Off

*Figure 4: Fill Light Setting*

## Fill Light On

While scanning in low-light conditions, turn on the fill light on mode.

## Fill Light Off

The fill light does not light up in any case.

# Aiming Light

The aiming light helps users align the scanner with the code, ensuring accurate readings by guiding proper positioning.



Aiming Light On



Aiming Light Off

*Figure 5: Light Positioning*

## Aiming Light On

The red aiming light turns on when the trigger key is pressed, making it easier to align the scan.

## Aiming Light Off

The red aiming light remains off at all times.

# Successful Scan LED

Nizi Scan flashes a green light after a successful scan. This feature can be turned off if needed.



Successful Scan LED On



Successful Scan LED Off

*Figure 6: Successful Scan*

## Successful Scan LED On

The green light blinks to indicate a successful scan.

## Successful Scan LED Off

The green light does not blink after a successful scan.

# Storage and Transportation

For storage, keep the wired Nizi Scan in a dry, dust-free environment with a temperature range of -20°C to 60°C. Avoid high humidity, and extreme temperatures. Store it in its original packaging or a protective case to prevent damage and keep it away from liquids and corrosive substances.

For transportation, use shockproof packaging to protect the scanner from impact. Avoid placing heavy objects on it.

## Precautionary Measures

1. Handle Nizi Scan with care. Do not drop, throw, or use it with any sharp objects. Avoid using it with sharp tools or in hazardous conditions. Nizi Scan is a sensitive electronic device and improper use could cause damage or harm to you or those nearby.

2. Ensure that the voltage of the device you are using with Nizi Scan matches its voltage before making a connection.
3. Do not attempt to disassemble or alter Nizi Scan or any related components, including cables. Using improper tools may cause short circuits, resulting in damage, malfunction, or even risk of fire.
4. Keep Nizi Scan away from excessive heat sources, fire, or water. Exposure to high temperatures or water can damage the device, increasing the risk of fire or malfunction.

# Safety Guidelines

Before using Nizi Scan, carefully read and understand the instructions provided. Do not use Nizi Scan in areas with chemical or flammable substances, or in places with extreme temperatures. If Nizi Scan is cracked, broken, dropped, or opened by anyone other than authorized personnel, immediately stop using it and take it to an authorized service center for inspection. Keep Nizi Scan out of reach of small children.

Before use, ensure that the device is not exposed to excessive moisture or water. Always read and follow the instructions provided, and make sure to educate others as well. When not in use, keep Nizi Scan stored in a safe place to prevent any risk of damage or accidents.



# Guarantee Information

If you purchase Nizi Scan and it shows any manufacturing defects within **one year**, or if the device does not function properly with the equipment it is meant to be used with, the manufacturer will replace the device at no cost.

The manufacturer provides a one-year Replacement Guarantee for Nizi Scan. In all matters related to the Guarantee, the manufacturer's decision will be final and binding. Any damage or defect arising from misuse or improper handling is not covered under the Guarantee. The manufacturer's liability is limited to the purchase price of the Nizi Scan as stated at the time of purchase.

# Guarantee Eligibility

The Guarantee will apply if Nizi Scan was purchased through an authorized dealer or distributor and the following conditions are met:

- The Guarantee card and the original purchase receipt are provided along with the Nizi Scan.
- Nizi Scan has not been tampered with, opened, or damaged, and has been used with the correct powering method.
- Nizi Scan has been used, stored, and transported according to the instructions provided.

# Guarantee Exclusions

The Guarantee will not apply under the following conditions:

- If the device is cracked or physically damaged.
- If the device has been submerged in water or exposed to excessive heat.
- If the anti-tamper seal is broken or has been tampered with.
- If the device has been opened or modified by unauthorized personnel.
- If the device has been exchanged or parts have been swapped.
- If the device has been powered with excessive voltage.
- If the device has been damaged due to improper use or mishandling.
- If the device fails to scan specific barcode types or sizes, as the buyer is responsible for ensuring compatibility with their requirements prior to purchase.