Inateck BCST-21

Inateck Wireless Barcode Scanner

Model: BCST-21 User Manual

1. Product Overview

The Inateck BCST-21 is a versatile 1D wireless barcode scanner designed for efficiency and durability. It offers multiple connection modes and advanced decoding capabilities, making it suitable for various environments such as retail, logistics, and inventory management.



Figure 1: Inateck BCST-21 Wireless Barcode Scanner and its accompanying 2.4G USB wireless adapter.

2. Package Contents

Please check the package contents upon unboxing:

- Inateck BCST-21 Barcode Scanner
- 2.4G USB Wireless Adapter
- USB Charging Cable (USB-A to USB-B)
- User Guide

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Video 1: Unboxing and overview of the Inateck Wireless Barcode Scanner BCST-21, showing all included components.

3. Setup

3.1 Connection Modes

The BCST-21 scanner supports three primary connection modes:

1. **2.4G Wireless Mode:** Plug the 2.4G USB wireless adapter into your computer or host device. The scanner will automatically connect to the adapter, indicated by a successful beep. This mode offers a transmission range of up to 100 meters (328 feet).
2. **Bluetooth Mode:** Enable Bluetooth on your host device (laptop, tablet, smartphone). Scan the Bluetooth pairing barcode in the user guide or use the Inateck Scanner APP to initiate pairing. The scanner will appear as "BCST-21-XXXX" in your device list. This mode offers a transmission range of up to 40 meters (131 feet).
3. **Wired Mode:** Connect the scanner directly to your device using the provided USB cable. This mode allows for direct data transfer and simultaneous charging.



Figure 2: Visual representation of the three available connection modes: 2.4G Wireless via dongle, Bluetooth, and direct USB wired connection.

3.2 Inateck APP & SDK Support

The Inateck Scanner APP (available for Android and iOS) simplifies scanner configuration, eliminating the need to scan setup barcodes from the manual. It allows for easy adjustment of settings such as barcode type recognition, Bluetooth connection management, battery level display, and alert preferences.

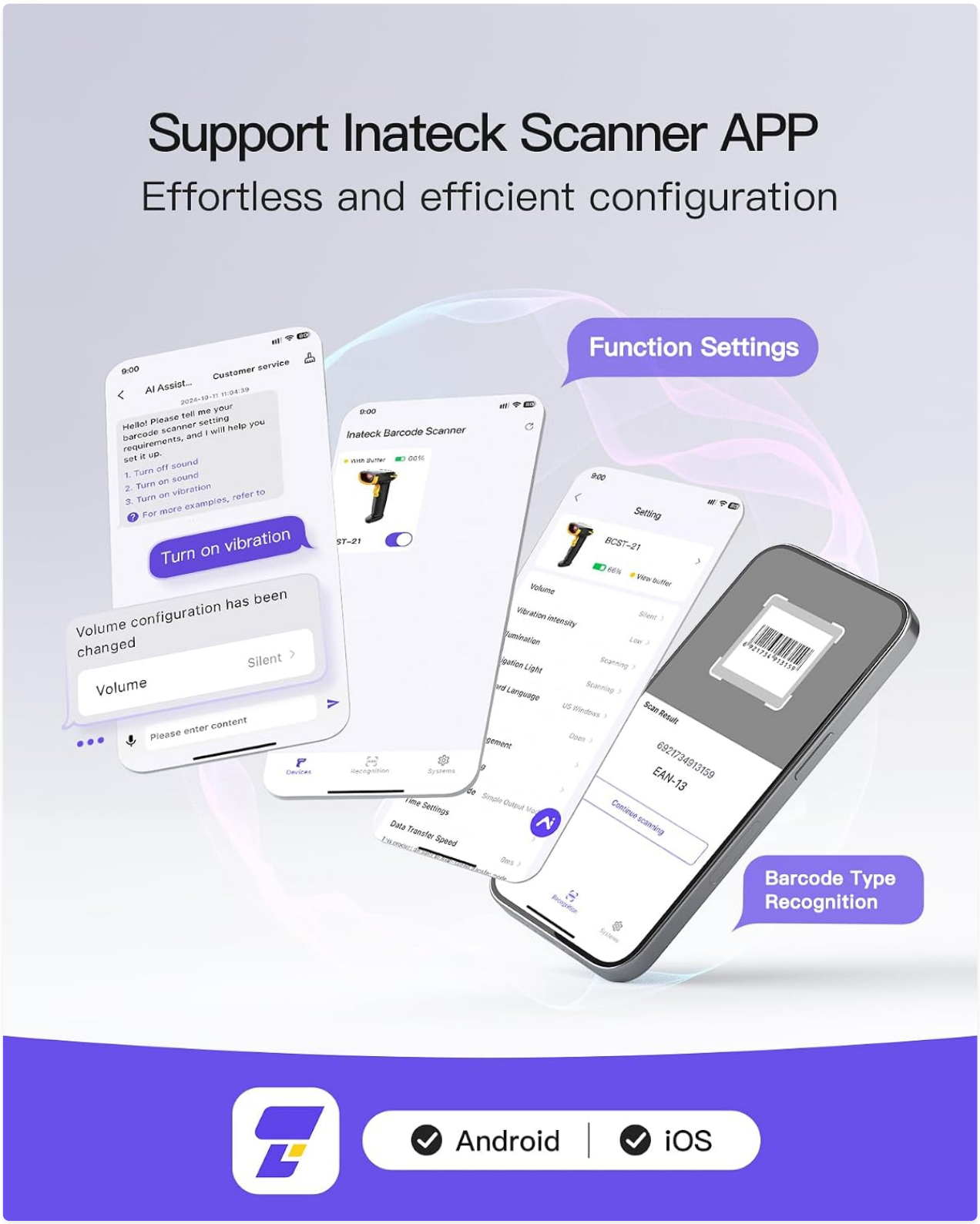


Figure 3: The Inateck Scanner APP interface, demonstrating easy access to function settings and barcode type recognition features on a smartphone.

For developers, the Inateck SDK provides seamless integration with ERP systems, supporting various programming languages (Python, Kotlin, Java, C, JavaScript/TypeScript, Objective-C, Swift) and operating systems (Windows, Android, Mac OS/iOS).

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Video 2: Demonstration of the Inateck Scanner APP's functionality, showing how to connect the scanner and adjust settings like volume and vibration directly from a smartphone.

4. Operating Instructions

4.1 Scanning Barcodes

To scan a barcode, point the scanner's laser at the barcode and press the trigger. The scanner will emit a successful beep and/or vibrate upon a successful scan. The BCST-21 supports all common 1D barcodes, including blurry, damaged, dirty, wrinkled, and distorted ones.

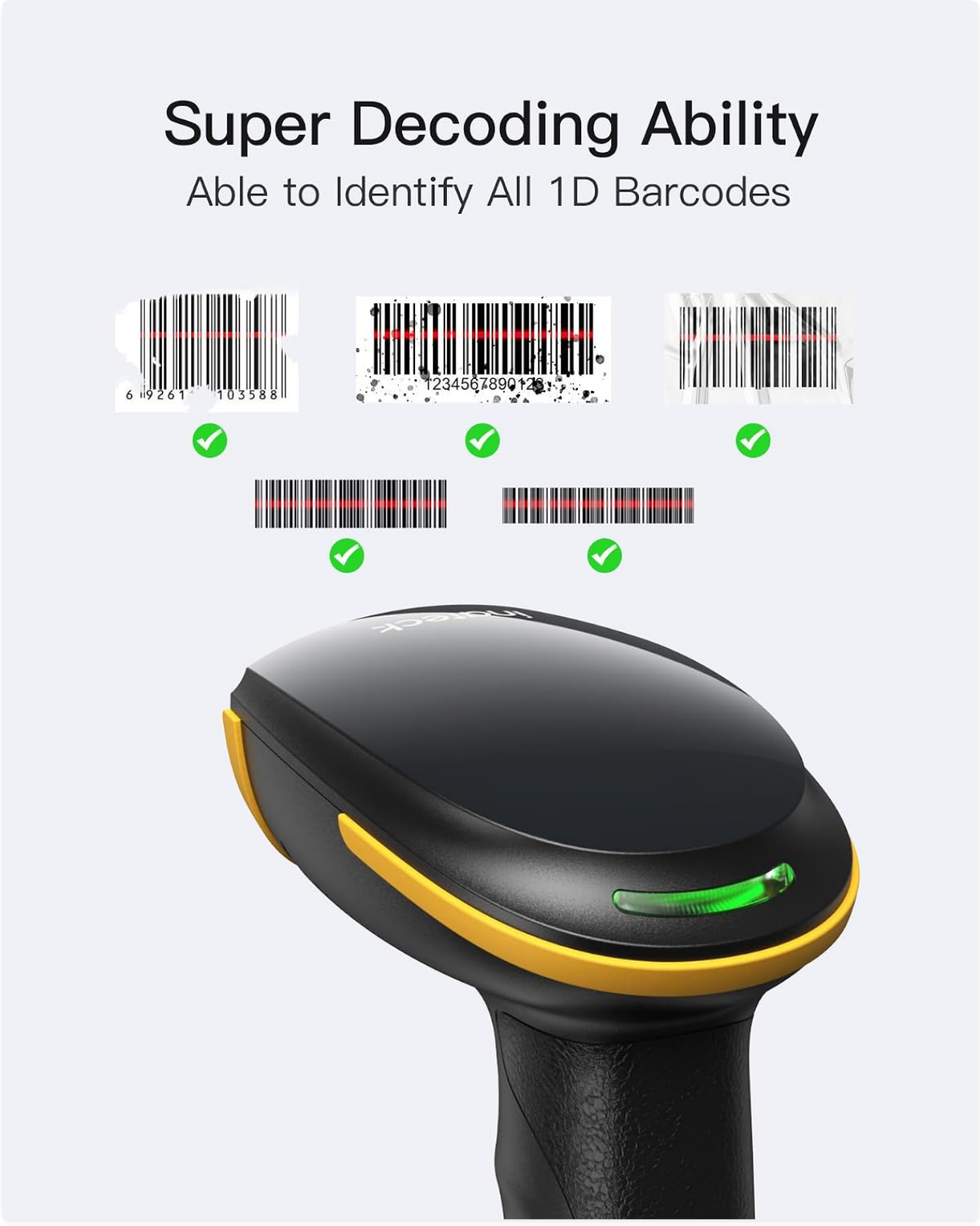


Figure 4: The scanner's superior decoding capability, illustrating its ability to accurately read various 1D barcode types, even if damaged or unclear.

4.2 Upload Modes

The scanner offers two data upload modes:

- **Instant Upload Mode:** Data is immediately transmitted to the connected device upon scanning.
- **Storage Mode:** The scanner can store up to 270,000 13-character barcodes internally. Data can be uploaded later when connected to a device.

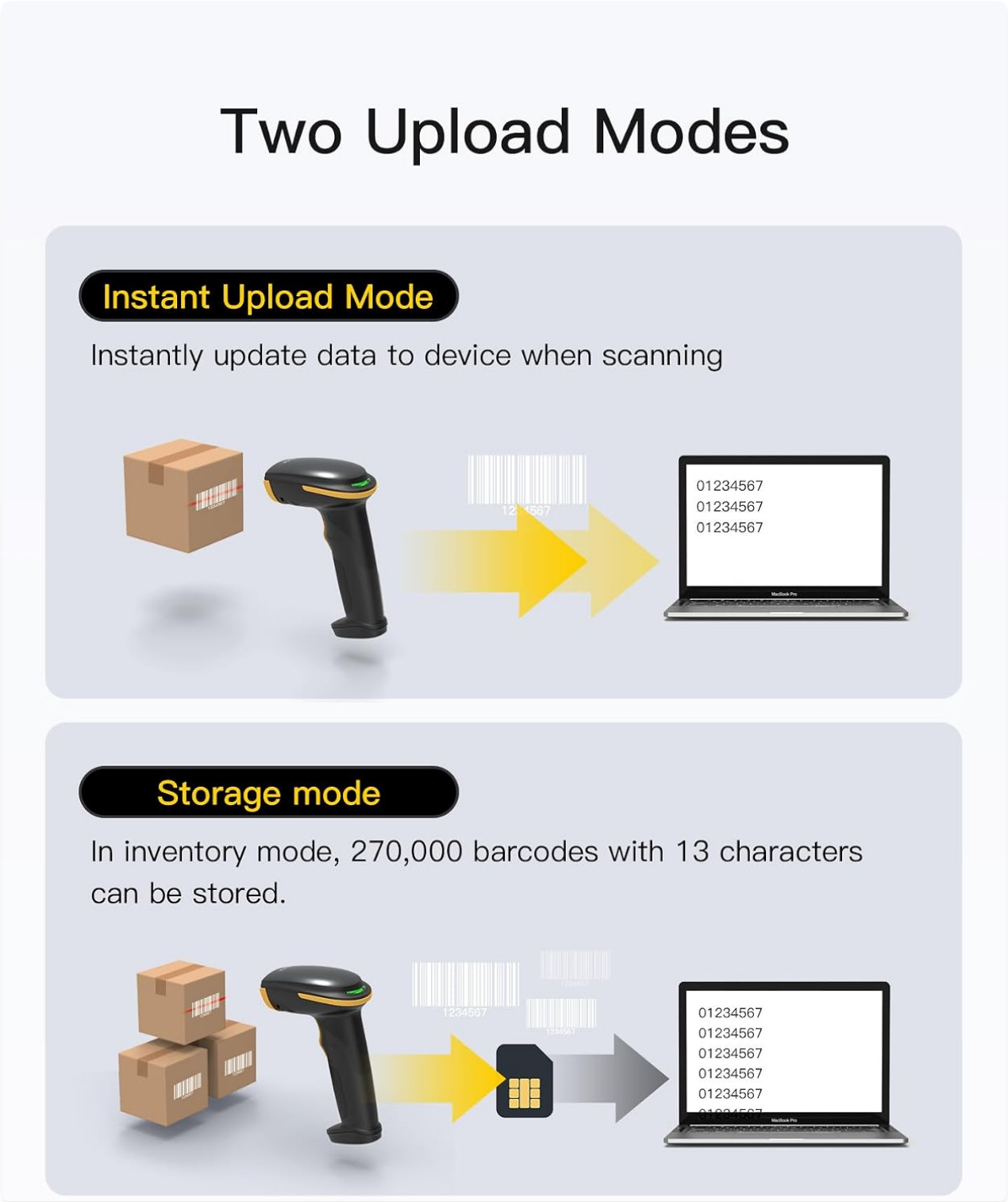


Figure 5: Illustration of the two data upload modes: Instant Upload, where data is sent immediately, and Storage Mode, where data is saved internally for later upload.

4.3 Adjusting Settings

Settings can be adjusted via the Inateck Scanner APP or by scanning specific configuration barcodes found in the user guide. Key adjustable settings include:

- **Beeper Volume:** Silent, Low, Medium, High.
- **Vibration Intensity:** Low, High.

- **Barcode Type Settings:** Enable or disable specific 1D barcode types for recognition.
- **Timestamp:** Add date/time to scanned data.
- **Auto Off:** Configure automatic power-off to save battery.

5. Maintenance

5.1 Battery Life & Charging

The Inateck BCST-21 features an advanced battery algorithm for extended battery life. A single charge can last up to 3 months under normal scanning frequency, or 1 month with high-frequency usage. Recharge the scanner using the provided USB cable connected to a power source (e.g., computer USB port, AC adapter).



Figure 6: The scanner's impressive battery life, indicating up to 3 months of use on a single charge under regular scanning conditions.

5.2 Durability

The scanner is encased in soft rubber, providing enhanced protection against drops. It is designed to withstand drops from up to 1.2 meters (3.9 feet), ensuring reliability in demanding work environments.



Figure 7: The scanner's robust design, highlighting its 1.2-meter drop resistance due to its soft rubber casing, which enhances its longevity.

6. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Scanner not connecting via Bluetooth.	Not in pairing mode, out of range, or interference.	Ensure scanner is in Bluetooth pairing mode. Move closer to the device. Check for other Bluetooth devices causing interference. Use Inateck APP for easier connection.
Barcode not scanning.	Barcode damaged, incorrect barcode type enabled, or low battery.	Try scanning a different barcode. Ensure the specific barcode type is enabled in settings. Charge the scanner.
Data not uploading in Instant Mode.	Connection issue or incorrect mode.	Verify stable connection (2.4G, Bluetooth, or wired). Ensure scanner is set to Instant Upload Mode.

7. Specifications

- **Model:** BCST-21
- **Decoding Capability:** All common 1D barcodes
- **Connection Modes:** 2.4G Wireless, Bluetooth, USB Wired
- **Wireless Range:** 2.4G: up to 100m (328ft); Bluetooth: up to 40m (131ft)
- **Battery:** 1 Lithium Ion battery (included)
- **Battery Life:** Up to 3 months (normal use), 1 month (high-frequency use)
- **Durability:** 1.2m (3.9ft) drop-resistant (soft rubber casing)
- **Compatible OS:** Windows, Mac OS, iOS, Android, iPad OS, Linux
- **Dimensions:** 3.58 x 2.69 x 6.5 inches
- **Item Weight:** 6.2 ounces

8. Warranty and Support

Inateck provides a standard warranty for the BCST-21 barcode scanner. For detailed warranty information, technical support, or service inquiries, please visit the official Inateck website or contact their customer service team.
Official Website: www.inateck.com
Customer Service: Refer to the contact information provided on the Inateck website or in the original product packaging.