



[Manuals.plus](#) /

> [Vanquisher](#) /

> Vanquisher SV-62H Rugged Tablet PC User Manual

## Vanquisher SV-62H Rugged Tablet PC

# Vanquisher SV-62H Rugged Tablet PC User Manual

Model: SV-62H

## 1. INTRODUCTION

---

This manual provides essential information for the proper setup, operation, and maintenance of your Vanquisher SV-62H Rugged Tablet PC. Designed for demanding enterprise environments, this device combines a robust build with advanced features like a Honeywell N3680 barcode scanner, NFC, and GPS, running on Windows 11 IoT Enterprise OS. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

## 2. PRODUCT OVERVIEW

---

The Vanquisher SV-62H is a 6.5-inch rugged handheld tablet PC built for enterprise mobility. It features a 20:9 TFT screen with 500 NITS brightness and a 5-point capacitive touch panel with Corning Gorilla Glass for smooth operation and durability. The device is equipped with a powerful hardware platform and runs on Windows 11 IoT Enterprise OS, offering enhanced data security, system efficiency, and reduced maintenance.



Image: Vanquisher SV-62H Rugged Tablet PC running Windows 11 IoT Enterprise, showcasing its interface and enterprise mobility features.

Key features include a built-in Honeywell N3680 2D scan engine for professional barcode data capturing, a 13.56MHz HF RFID reader, camera, GPS, WiFi, and Bluetooth functions. It also supports NFC (ISO/IEC 14443A/14443B/15693/18092/mifare protocol), making it suitable for a wide range of applications in warehousing, logistics, retail, and manufacturing.

## All-in-one Design (Barcode Scanner, NFC, Camera, GPS etc.) For Integrated Enterprise Applications

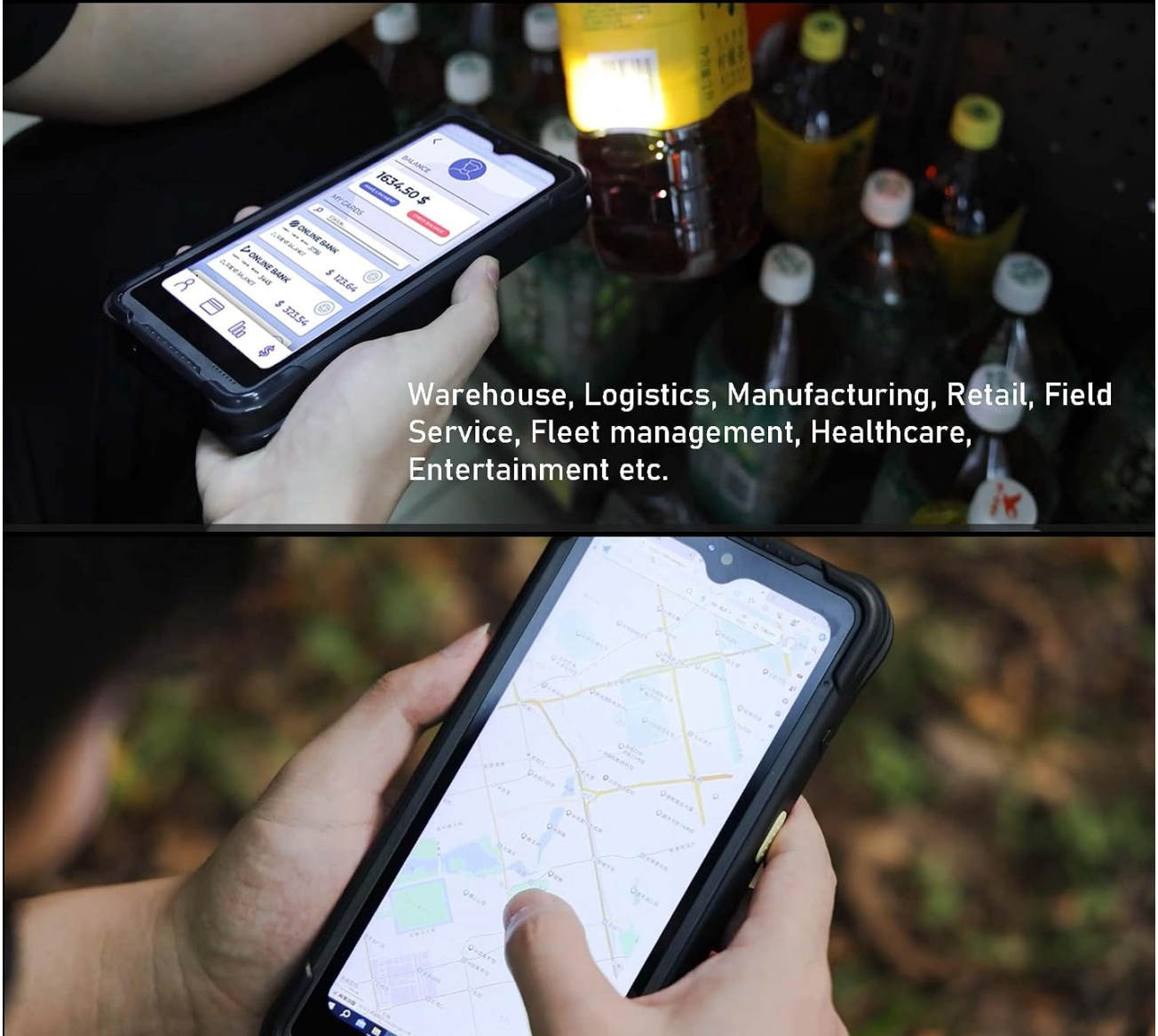


Image: The Vanquisher SV-62H Rugged Tablet PC demonstrating its all-in-one design with integrated barcode scanner, NFC, camera, and GPS for enterprise applications.

### 2.1 Device Components



## Enterprise Mobility Based on Windows 11 IOT

- 10 Years Extended Security & Lifecycle Support
- Enhanced System Efficiency via:
  - Removable Packages;
  - Enable/Disable Services;
  - Compact OS;
- Reduced Maintenance with minimal Updates

Image: Detailed diagram of the Vanquisher SV-62H Rugged Tablet PC, highlighting the barcode scan engine, volume buttons, scanning key, power button, rear camera, NFC, USB3.0, Type-C port, and Pogo pins.

- **Barcode Scan Engine:** Located at the top for 1D/2D barcode scanning.
- **Volume Buttons:** Adjust audio levels.
- **Scanning Key:** Dedicated button for activating the barcode scanner.
- **Power On/Off Button:** Controls device power.
- **Rear Camera:** 5.0MP camera for image capture.
- **NFC:** Near Field Communication module for data exchange.
- **USB3.0 & Type-C Port:** For data transfer and charging.
- **Pogo Pin Interface:** For use with optional accessories like charging docks.
- **Removable Battery:** 7.4V/4000mAh battery for extended use.

### 3. SETUP

#### 3.1 Battery Installation and Charging

The device comes with a removable 7.4V/4000mAh battery. Ensure the battery is properly installed before first use.

1. Locate the battery compartment on the back of the device.
2. Carefully open the battery compartment cover.
3. Insert the battery, ensuring the contacts align correctly.
4. Close the battery compartment cover securely.



Image: Illustration of the removable battery being inserted into the Vanquisher SV-62H Rugged Tablet PC.

To charge the device, connect the provided USB cable to the Type-C port and plug the US standard wall adapter into a power outlet. The device can also be charged using an optional single-slot dock charger (B0F8HJRCS3) via the Pogo Pin interface.

### 3.2 Initial Power On

1. Press and hold the Power On/Off button until the screen illuminates.
2. Follow the on-screen prompts to complete the initial Windows 11 IoT Enterprise setup, including language, region, and network settings.

## 4. OPERATING INSTRUCTIONS

---

### 4.1 Touch Screen Operation

The 6.5-inch capacitive touch screen supports multi-touch gestures. Use your fingers to navigate, select items, and interact with applications.

- **Tap:** To select an item or open an application.
- **Swipe:** To scroll through lists or pages.
- **Pinch-to-Zoom:** To zoom in or out on images and web pages.

### 4.2 Button Functions

- **Power On/Off Button:** Press briefly to put the device to sleep or wake it up. Press and hold to power off or restart.
- **Volume Buttons:** Press (+) to increase volume, (-) to decrease volume.
- **Scanning Key:** Activates the integrated barcode scanner.

## 5. BARCODE SCANNING

---

The Vanquisher SV-62H integrates a Honeywell N3680 2D scan engine, capable of reading various 1D, 2D, and QR barcodes, including UPC/EAN, Code128, Code39, PDF417, and Data Matrix. This scanner is designed for high-intensity scanning environments and can read damaged or blurred barcodes.



Image: The built-in Honeywell N3680 2D Barcode Scan Engine on the Vanquisher SV-62H, demonstrating its laser aimer and LED illumination for accurate scanning of various barcode types.

## 5.1 How to Scan

1. Open the application that requires barcode input.
2. Point the top of the device, where the scan engine is located, towards the barcode.
3. Press the dedicated Scanning Key on the side of the device. A laser aimer and LED illumination will activate.
4. Ensure the barcode is within the scanning area until a successful scan is indicated (e.g., a beep or on-screen confirmation).

## 6. NFC FUNCTIONALITY

---

The device supports Near Field Communication (NFC) for short-range wireless data exchange, compatible with ISO/IEC 14443A/14443B/15693/18092/mifare protocols. This allows for applications such as contactless payments, data transfer, and access control.

### 6.1 Using NFC

1. Ensure NFC is enabled in the device settings.
2. Hold the back of the device, where the NFC module is located, close to an NFC tag or another NFC-enabled device.
3. Follow the on-screen prompts or application-specific instructions to complete the NFC interaction.

## 7. DURABILITY AND ENVIRONMENT

---

The Vanquisher SV-62H is engineered for industrial environments, featuring IP67 grade water-proof and dust-proof sealing. It is designed to withstand moisture, rain, dirt, mud, and sand. The rugged construction, including TPU material housing and an embedded alloy bracket, reduces drop force and increases overall durability, allowing it to sustain 1.5-meter drops to wooden floors.

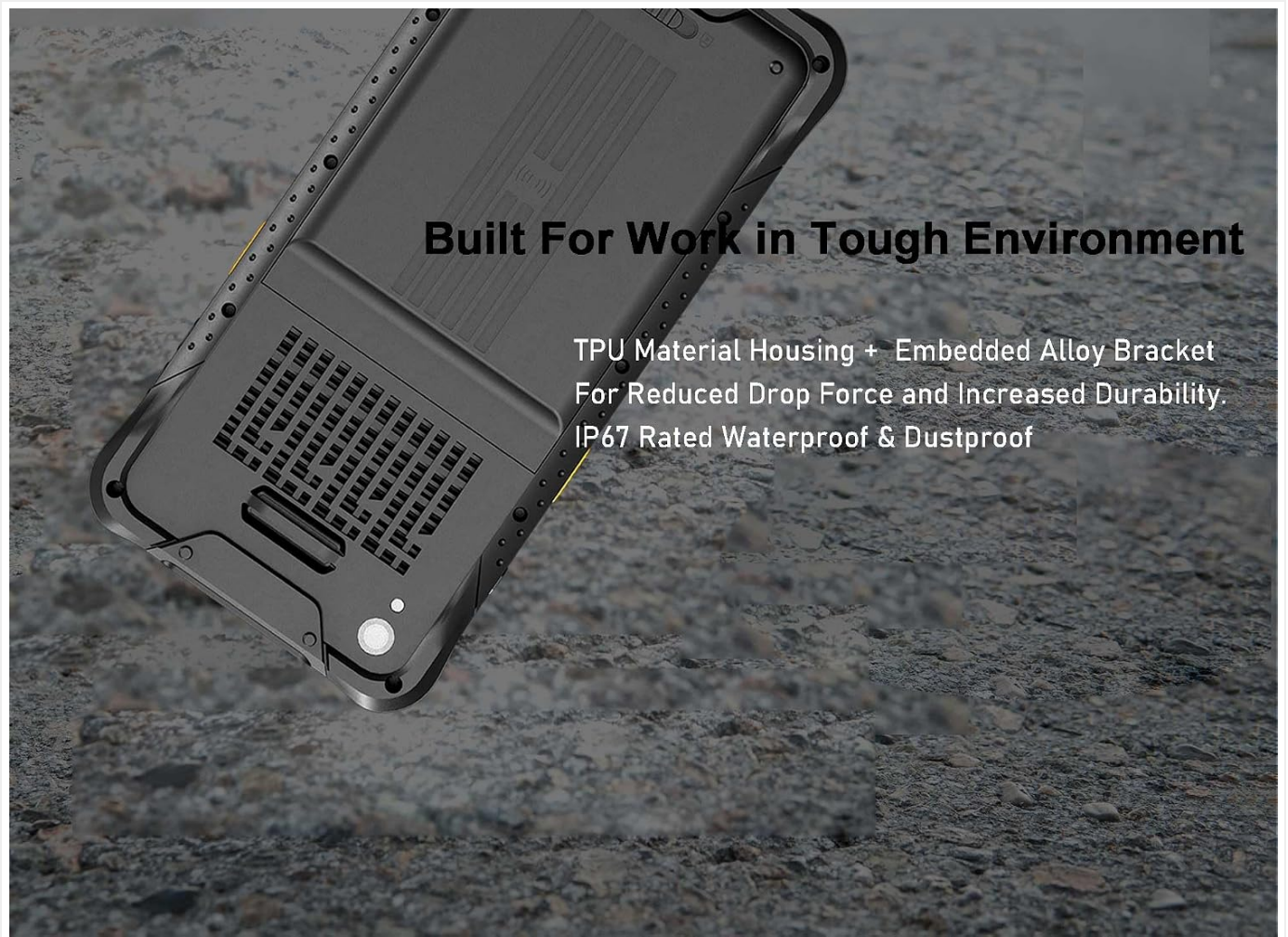


Image: The Vanquisher SV-62H Rugged Tablet PC showcasing its robust design, built for work in tough environments with IP67 rating and enhanced drop resistance.

## 8. MAINTENANCE

---

To ensure the longevity and optimal performance of your device, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Battery Care:** For optimal battery life, avoid extreme temperatures and fully discharge and recharge the battery periodically.
- **Software Updates:** Regularly check for and install Windows 11 IoT Enterprise updates to ensure system security and efficiency.
- **Storage:** Store the device in a cool, dry place when not in use.

## 9. TROUBLESHOOTING

---

If you encounter issues with your Vanquisher SV-62H, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on	Low battery; System crash	Charge the device for at least 30 minutes. Perform a hard reset by holding the power button for 10-15 seconds.
Barcode scanner not working	Scanner not activated; Barcode damaged/blurred; Poor lighting	Ensure the scanning key is pressed. Check barcode condition. Move to a well-lit area.
Touch screen unresponsive	Software glitch; Screen protector interference	Restart the device. Ensure screen protector is correctly applied or remove it for testing.

Problem	Possible Cause	Solution
NFC not detecting tags	NFC disabled; Incorrect positioning	Enable NFC in settings. Ensure the device's NFC area is close to the tag.

If the issue persists, please contact customer support.

## 10. SPECIFICATIONS

Detailed technical specifications for the Vanquisher SV-62H Rugged Tablet PC:

Feature	Specification
Screen Size	6.5 Inches
Screen Resolution	720 x 1600 pixels
Operating System	Windows 11 IoT Enterprise
Processor	Intel (1.1E+3)
RAM	8GB LPDDR4
Flash Memory Size	128 GB EMMC (expandable)
Barcode Scanner	Honeywell N3680 2D Scan Engine
NFC	13.56MHz HF RFID reader (ISO/IEC 14443A/14443B/15693/18092/mifare)
Wireless Type	802.11ac (WiFi), Bluetooth
GPS	Integrated
Battery Life (Average)	6 Hours
Item Weight	1.85 pounds
Product Dimensions (LxWxH)	1.12 x 7.28 x 1.12 inches
Durability	IP67 Water-proof & Dust-proof, 1.5m drop resistance

## 11. WARRANTY AND SUPPORT

Your Vanquisher SV-62H Rugged Tablet PC comes with an 18-month warranty from the date of purchase. We also provide lifetime technical and after-sales support.

### 11.1 Contact Support

For technical assistance, warranty claims, or any other inquiries, please contact us:

- **Email:** [support@sinicvision.com](mailto:support@sinicvision.com)

### 11.2 Official Product Video

Your browser does not support the video tag.

Video: An official product video showcasing the Vanquisher Rugged Windows Enterprise PDA SV-62H, demonstrating its features and use cases in various environments.

### 11.3 Optional Accessories

Enhance your device's functionality with optional accessories:

- **Single Slot Dock Charger & Spare Battery:** ASIN B0F8HJRCS3



Image: The Vanquisher SV-62H Rugged Tablet PC placed in its optional single slot dock charger.