



Smart Tablet

T3V Product Manual

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Statement

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When installing and using this product, all relevant national, regional, and local safety regulations must be observed. For safety reasons, only authorized professionals are permitted to repair individual components.

Please read all instructions carefully before using this product. Failure to follow this information may result in personal injury or equipment damage. Superhii will not be liable for any personal injury, accidents, property loss, legal disputes, or other adverse events that cause conflicts of interest resulting from improper use or force majeure. All other rights related to this matter are reserved by Superhii.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that

interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

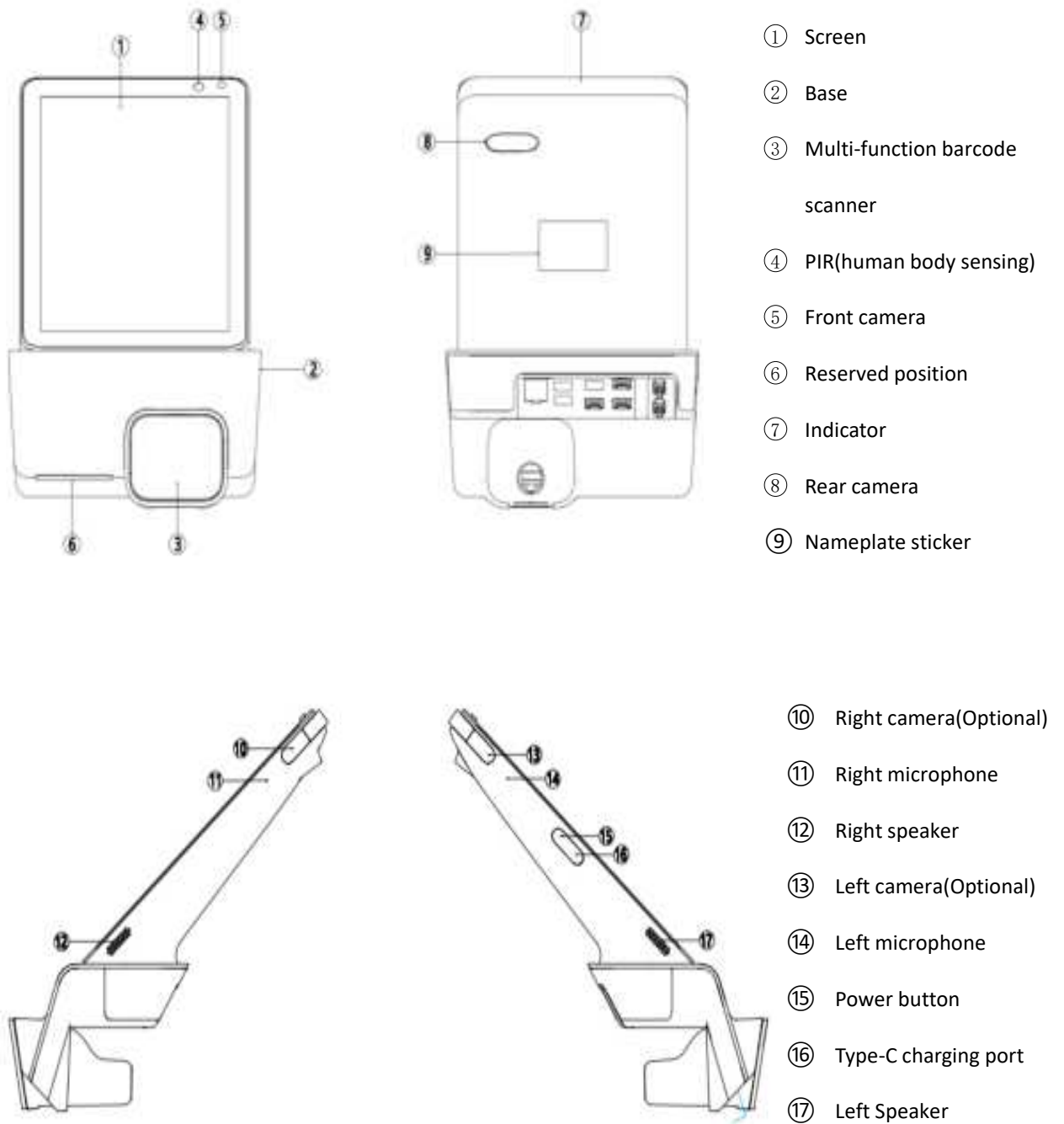
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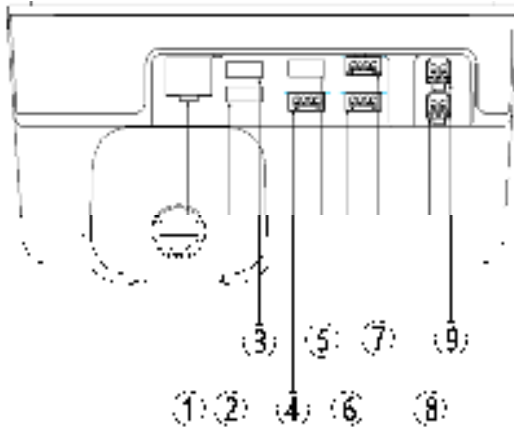
1. Overview

T3V is the third-generation smart terminal device independently developed by Super Hi. It is a high-tech product designed for supermarket shopping scenarios. When using a shopping cart, it allows users to scan items and complete checkout autonomously, significantly improving the operational efficiency of supermarkets and enhancing the shopping experience in physical retail stores. Through advanced design concepts, independently developed software and hardware systems, and scenario optimizations tailored specifically for the Japanese market, this product offers users an exceptionally convenient shopping experience.

2.Product Structure and Features

2.1 Product Structure Diagram





- ① RS232 (scanner)
- ② USB2.0
- ③ USB2.0
- ④ 12V input (electronic lock)
- ⑤ USB2.0 (reserved)
- ⑥ RS232 (reserved)
- ⑦ RS485 (weigh sensor)
- ⑧ 12V output (AI module power supply)
- ⑨ DC15~36V input (charging)

2.2 Product Features

- 10.1-inch IPS HD Display
- WiFi/Bluetooth: Supports dual-band WiFi + BT5.0
- HD Screen: 10.1-inch TFT HD multi-touch; vertical orientation suits mobile usage habits
- Camera: Dual cameras with 64°/149° wide-angle lenses for efficient product monitoring
- Storage: 32GB + 3GB large storage, enhancing smart retail efficiency
- Chip Performance: Upgraded A55 octa-core chip for high-performance smart retail
- Scanning Function: Ergonomically designed multifunctional scanner, detachable for scanning heavy items; 2m/s high-speed scanning
- Durability: LG large lithium battery with 24+ hours of continuous use, meeting all-day demands
- Voice Function: Dual-path voice input/output with stereo surround sound, louder and clearer

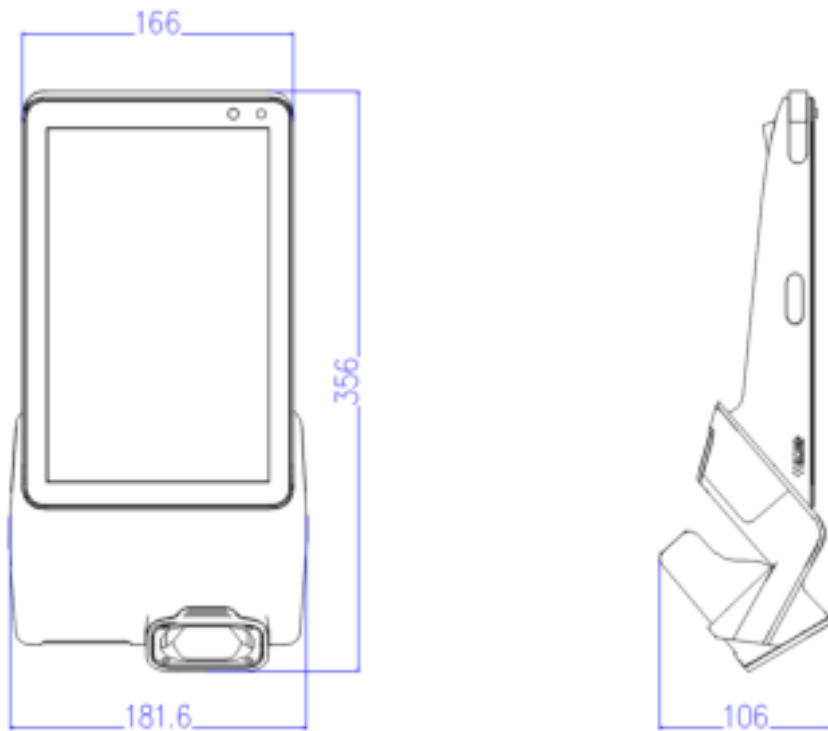
- Sleek Appearance: Minimalist design with curved, slim body and subtle color scheme
- Streamlined Lighting Effect: Optical design with streamlined light band at the top, creating a soft glow with a high-tech feel
- Motion Activation: PIR human sensing, supports sleep mode and auto-activation
- Modular Design: Split base for easy after-sales maintenance

3. Technical Specifications

3.1 Smart Terminal Specification Table

Hardware Configuration	Description
PCB Board	High-integration circuit board
Processor	MT8781
Storage	3GB RAM+32GB ROM
Operating System	Android 13
Display & Touch Screen	Display: 10.1-inch TFT HD, 1280x800 resolution Touch: 10.1-inch G+G, 1.1mm thickness; supports multi-touch
Camera	2MP front camera - for login recognition 5MP rear camera - for product monitoring
Communication	WiFi supports 2.4G & 5G dual bands, IEEE802.11a/b/g/n/ac
	BT5.2 (BR/EDR + BLE)
Scanner	High-sensitivity scanning module Front-bottom scan sensing mode
I/O Ports	3 USB2.0 ports for external scanner or phone charging
	1 RS485
	2 RS232, XH2.54 4-PIN female base & RJ45 female base
	2 controllable 12V outputs
Power Supply	Input 36V, wide voltage

3.2 Product appearance dimensions:



4. Instructions for Use

4.1 Requirements for use

- 1) This product needs to be used with the SuperHii Smart Cart and is not allowed to be used alone.
- 2) The installation position of this product is as shown in the figure.



4.2 Power On/Off

- 1) **Power On:** When the intelligent terminal is off, open the silicone cover on the left side of the terminal to reveal the white circular power button. Press and hold the white button with a finger or tool for about 3-5 seconds, and the device will automatically turn on.

Power Off: When the intelligent terminal is on, open the silicone cover on the left side to reveal the white circular power button. Press and hold the white button with a finger or tool for about 3 seconds. The device's display screen will show the power-off selection screen; click the shutdown button to power off.



silicone cover



white circular power button

4.3 Initial Setup

- 1) **Network Requirements:**
 - Bandwidth of 100M or higher, allowing the intelligent terminal to access the internet normally;
 - AP frequency supports both 2.4GHz and 5GHz;
 - Full area coverage with network signal strength at an absolute value within 70 dBm;
 - If the intelligent terminal uses the store's public network, a separate subnet should be allocated specifically for the terminal, and a password is required for connection.
- 2) **Setting up the Connection:** Enter the system settings interface.

- **WiFi Connection:** Access through the administrator page:
- [Settings] → [WLAN] → Click [Switch] → Select the corresponding WiFi name
→ Select

4.4 Charging

- 1) Charging with a TYPE-C adapter: Open the silicone plug on the left side of the smart terminal to expose the TYPE-C female socket interface inside, insert the TYPE-C plug of the adapter into the TYPE-C female socket → connect to the power supply (Super Hi Technology provides a special adapter, which cannot be adapted and charged by itself);



TYPE-C
female base



TYPE-C
plug

- 2) Charging status
 - The red indicator light on the top of the smart terminal indicates charging; green indicates fully charged; no indicator light indicates not charging.
 - Use the adapter to charge when the device is turned off, and the smart terminal will automatically start charging after it is turned on.

4.5 Daily Management

- 1) Daily Charging
 - Charging is required after closing at night;
 - Charging time ≥ 8 hours every night to meet normal work the next day;

- Please check the indicator light during charging to ensure that the charging mode is normal;
- 2) Deactivation
- Please turn off the device if it is deactivated for more than three days;
 - If it is deactivated for a long time, it needs to be charged once every three months to ensure the battery life;
 - If it is left in the powered-on state for a long time, the battery will continue to discharge, which may cause the risk of over-discharging the battery, resulting in battery scrapping and abnormal charging of the smart terminal.
- 3) Vehicle Recycling
- At the beginning of business every day: place the smart terminal at a location where it is convenient for users to pick up the car at the entrance;
 - During the daily operation of the supermarket: ensure that the smart terminal that has completed shopping is promptly returned to the location where users pick up the car at the entrance;
 - When the supermarket is closed every day: move the smart terminal to the charging position for charging.
- 4) Troubleshooting and repair reporting
- When encountering simple faults, please refer to this article - 4.5 Frequently Asked Questions. When encountering a fault that you cannot handle yourself, please contact Superhii Technology after-sales personnel for processing.

4.6 Frequently Asked Questions

4.6.1 Smart terminal display problem

- 1) Check whether the smart terminal has sufficient power.

Operation: Charge the smart terminal and judge the power level by observing

the indicator light of the smart terminal: green light, fully charged; red light, charging. If the power is insufficient, just charge the smart terminal.

- 2) After checking and excluding the above situations, if there is still a black screen or the display is not the Superhii shopping system interface after powering on, please contact Superhii Technology after-sales personnel for processing.

4.6.2 The barcode scanner is not lit and cannot recognize the barcode

- 1) If it is an occasional phenomenon, please restart the smart terminal and try again;
- 2) If restarting is ineffective, or this phenomenon occurs frequently, the barcode scanner wiring may be loose or faulty, please contact Superhii after-sales for processing.

5. After-sales service

5.1 After-sales contact information and instructions

- 1) National unified customer service hotline: 400-877-6002;
- 2) When you encounter a fault that you cannot handle by yourself, you can contact Superhii Technology after-sales personnel through the above methods for processing; when reporting a fault, you need to provide the fault time, vehicle number, and fault description (pictures, videos, text, etc.) so that after-sales personnel can help you quickly locate and solve the fault.

5.2 Warranty policy

From the time the user signs for the product, if a non-human damage fault occurs, the Superhii After-sales Service Center will provide maintenance services to the user after inspection and confirmation. The warranty period for the whole machine and

each component is as follows:

Type	Warranty Content	Warranty period
Host	Frame assembly, shopping cart basket, smart terminal, wheels, control bus, switching power supply	1 year
appendix	sensor	1 year
others	battery	1 year
Appearance parts	Handlebars, body decoration, etc.	1 year

5.3 Non-warranty clauses

The following situations are not covered by the warranty:

- 1) Any damage caused by failure to use, maintain and adjust in accordance with the requirements of the "Product Manual" (such as immersion in water, cracking, breaking, burning of printed circuit boards and functional components, etc.);
- 2) Unauthorized disassembly, repair and modification (including hardware or system software modification) by personnel not authorized by Superhii Company;
- 3) The SN code of the machine body or the warranty period has expired, and there is no maintenance certificate or the maintenance certificate is abnormal (including the content on the certificate is inconsistent with the physical identification of the product or has been altered);
- 4) The nameplate attached to the machine body is damaged or lost, the anti-dismantling label is damaged or replaced privately, the waterproof label is discolored, etc.;
- 5) Damage or functional abnormality caused by failure to operate according to the instruction manual or connecting accessories not provided by Superhii

Company;

- 6) Wear, cracking, breaking, hole, burning, desoldering of shell components other than the touch screen caused by use;
- 7) Force majeure (such as earthquake, fire, lightning strike, voltage instability, etc.)) The smart terminal fails or is damaged due to reasons other than the above;
- 8) If the situations described in 1-7 above occur, the user needs to pay for the repairs separately.