

# R Series User Manual



---

## Contents

|  |              |
|--|--------------|
| <b>1. Safety Precaution .....</b>                                  | <b>3</b>     |
| <b>2. Initial Installation .....</b>                               | <b>4-5</b>   |
| <b>3. Main technical specifications .....</b>                      | <b>5</b>     |
| <b>4. Product Measurements</b>                                     |              |
| <b>R13 single screen .....</b>                                     | <b>6</b>     |
| <b>R15 single screen .....</b>                                     | <b>7</b>     |
| <b>R15-13 Dual Screen .....</b>                                    | <b>8</b>     |
| <b>5. Product appearance... ..</b>                                 | <b>9-11</b>  |
| <b>6. Mainboard.....</b>   | <b>12-13</b> |
| <b>Appendix: Names of toxic and harmful substances or elements</b> |              |
| <b>and their contents.....</b>                                     | <b>14</b>    |

---

## 1. Safety Precautions

1. Please place the machine on a flat vibration free surface.
2. Please make sure to avoid direct sunlight, water and other elements from entering the machine.
3. Please keep away from any strong electronic interference.
4. Do not cover the machine.
5. In areas with unstable power supply, please connect an external UPS or power source to ensure electronic stability.
6. The product comes standard with a power connector with earth leakage. Please do not change the connector unless certain of the power requirements.
7. Make sure that the ground wire of the wall socket is connected. If the ground is not connected it may cause electronic shock and even cause a fire.
8. The machine should not share the same power socket with any high powered electronic appliances. Please ensure that all the machine has a dedicated wall socket for operation.
9. The machine will be connected to various other peripherals. Ensure that the cable and connectors are well insulated and that all screws are tightened well.
10. To clean the machine, use a damp cloth and refrain from using corrosive chemicals that might damage the machine.
11. Should operation fail on the machine, remove the machine from live power. Refrain from opening or repairing the machine. Contact an authorized repair center or person to assist with repairs.

**"WARNING":** For the non-compliance with the above issues, as well as non-qualified service personnel or the use of non-designated by the Company to provide and repair parts for maintenance of all the consequences, the Company does not assume any responsibility.

---

## 2. Initial Installation

### 1. Unpacking

Immediately after receiving the machine, unpack and check for any damage. In case of damage, the shipping company shall be informed immediately report the claim to the manufacturer. After unpacking also check the that the spare parts are complete.

### 2. Preparing for Installation

Examine the case for cleanliness, Logos, marks and insure labeling is correct.  
Check the working environment: Because the POS is a precision instrument, the working environment should be checked and make sure it is suitable for the cash register. If the work environment is not sufficient, please do not make use of the POS.

### 3. The main technical specifications

Power supply voltage: 220VAC~  $\pm 15\%$   
Power: 80W  $\pm 15\%$  Frequency:  
50—60Hz  
Operating Temperature: 0 °C ~ 40 °C  
Storage: -20 °C ~ +55 °C  
Relative humidity 20% ~ 93% (40 °C)

### 4. Preparing for use

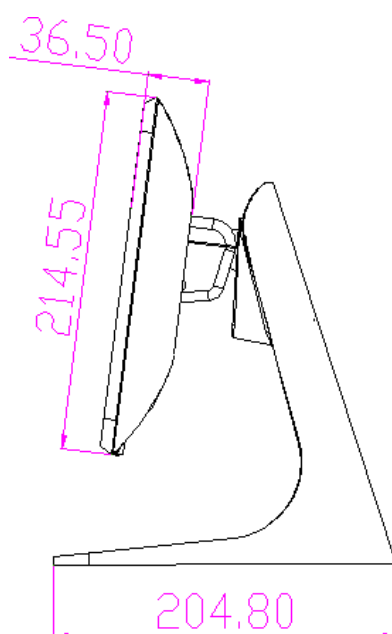
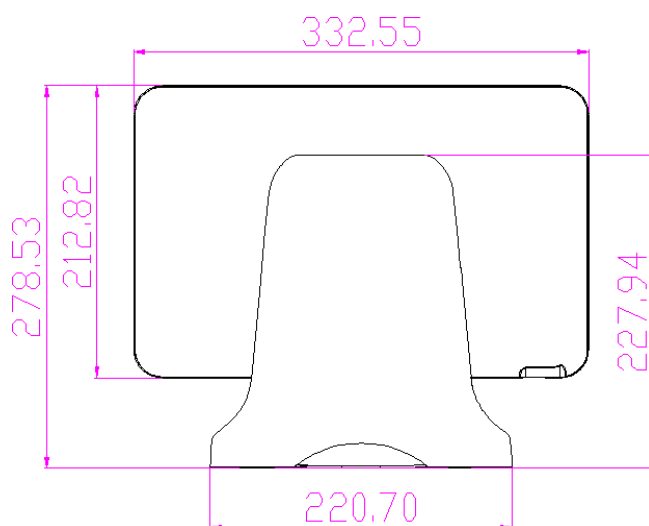
- 1) Place the machine on a flat surface and ensure that the cabling is neat and sufficient. Insert the power connector in the appropriate socket.
- 2) Power on the machine (note: stable power source and ground is important).
- 3) Android OS is installed by default on the POS unit.

### 3. Main technical specifications

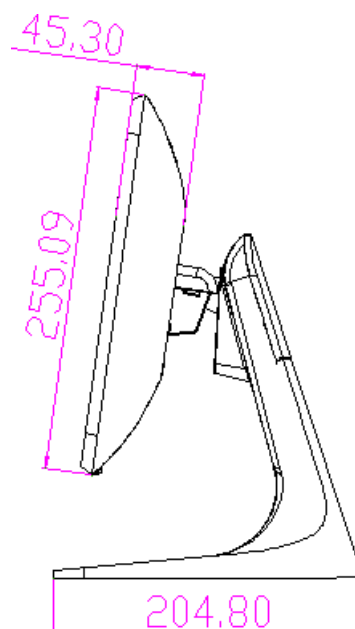
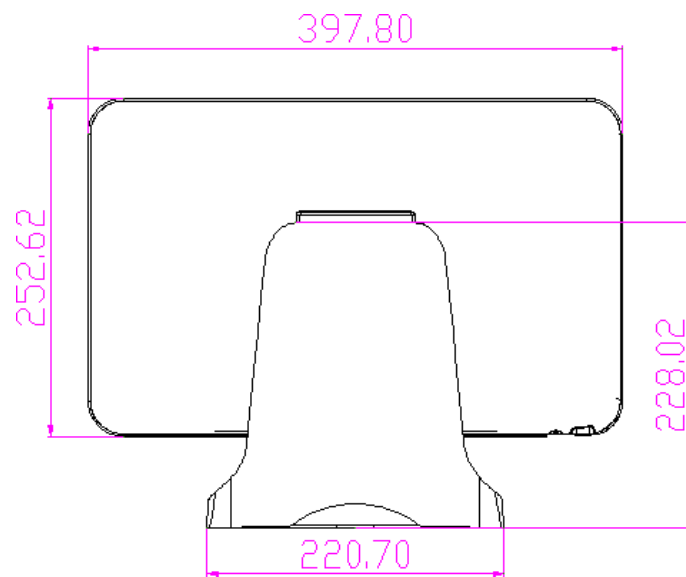
| Main board configuration |   |
|--------------------------|---|
| Processor (CPU)          | RK3288 Quad-core A17 1.8GHz             |
| System Memory (RAM)      | 2G                                      |
| Storage Device (Flash)   | 8G                                      |
| Display                  |   |
| Size                     | 13.3"/15.6"                             |
| Resolution:              | 1920*1080                               |
| I/O port                 |   |
| USB port                 | 6pcs                                    |
| LAN port                 | 1pcs                                    |
| COM                      | 1pcs RJ45(R13)/1pcs DB9+1pcs RJ45 (R15) |
| RJ11                     | 1pcs                                    |
| DC IN                    | 1x DC 12V                               |
| TF Card                  | 1pcs                                    |
| Audio                    | 1pcs                                    |
| Operate Environment      |   |
| Working temperature      | 0-50°C                                  |
| Humidity                 | 20-90%                                  |
| Operating system         | Android 5.1                             |

## 4. Product Measurement

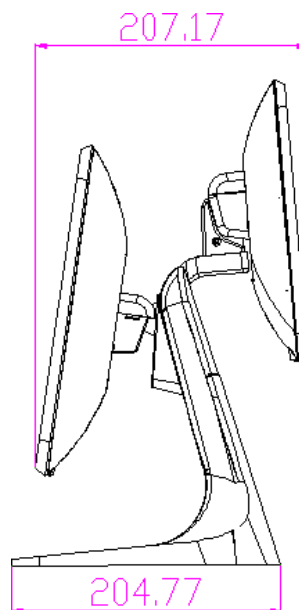
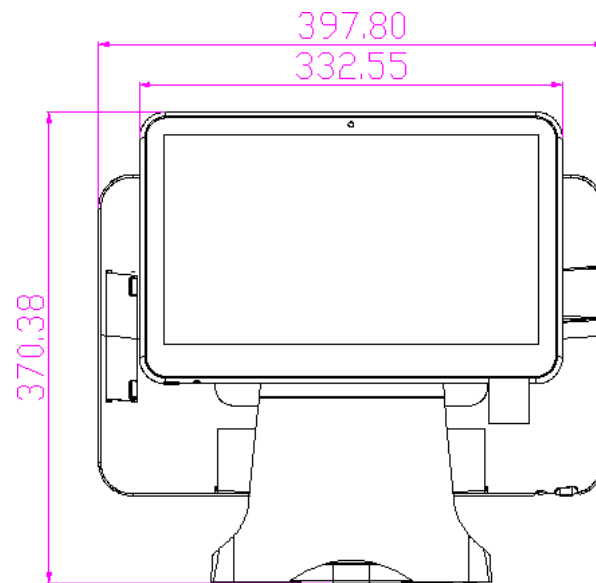
### R13 Single Screen



## R15 Single Screen



## R15-13 Dual Screen

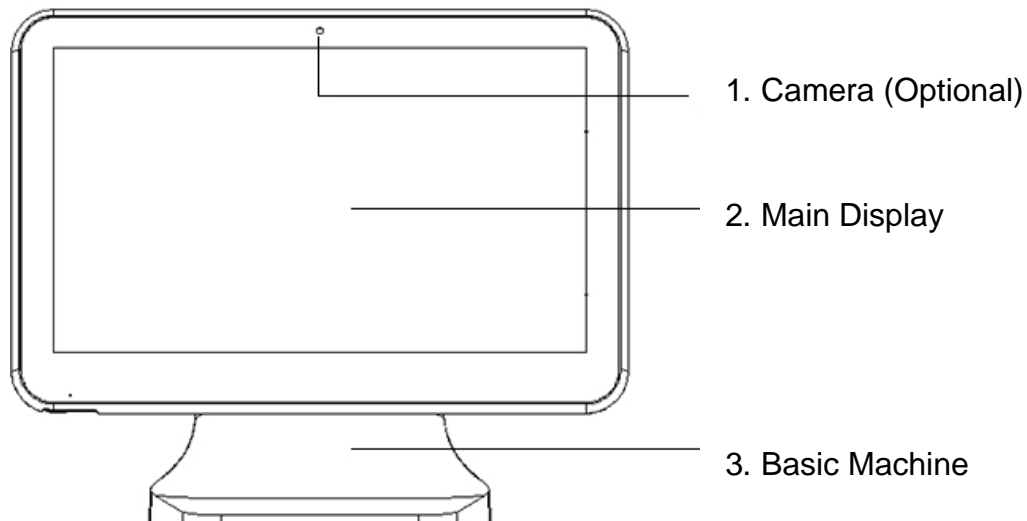




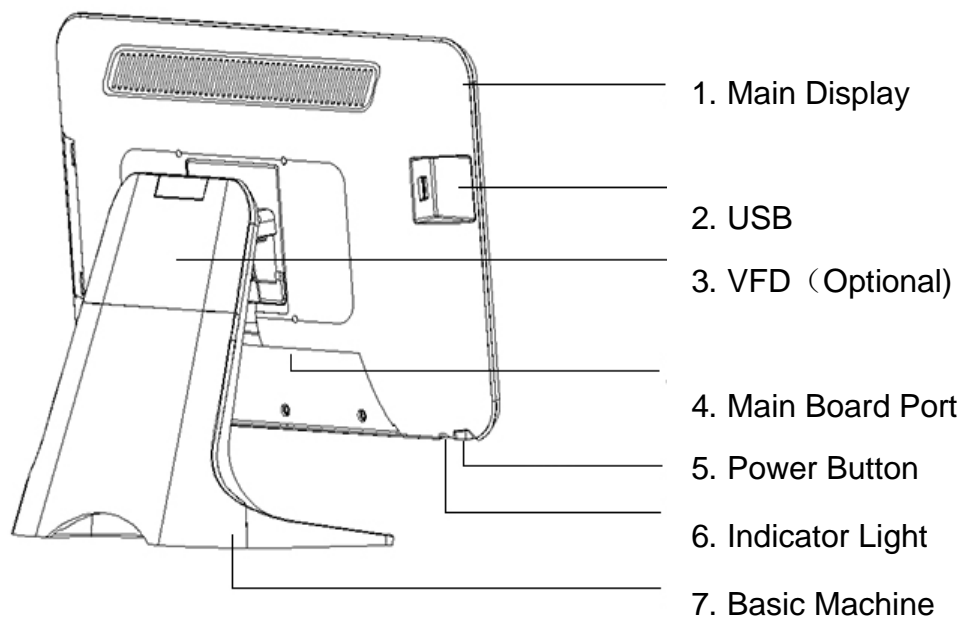
## 5. Product Appearance

### 1. Single Screen (Dual Screen)

#### Front

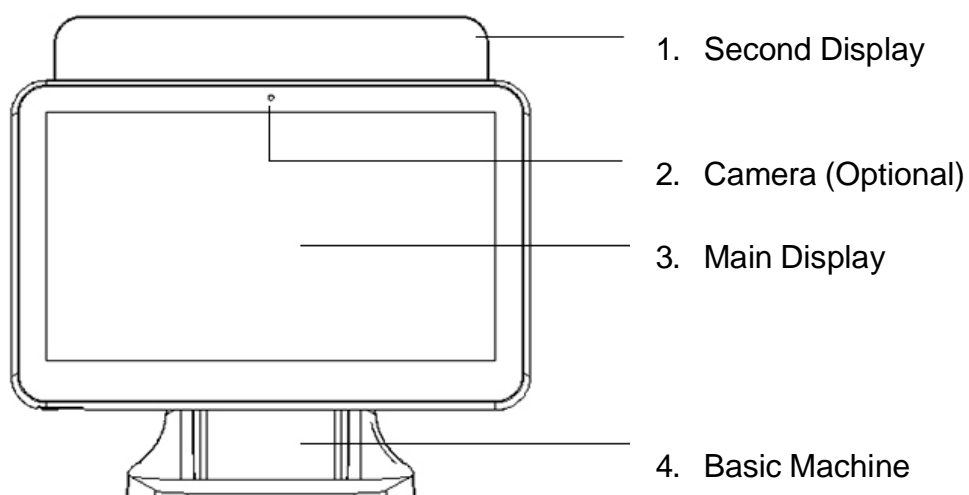


#### Back

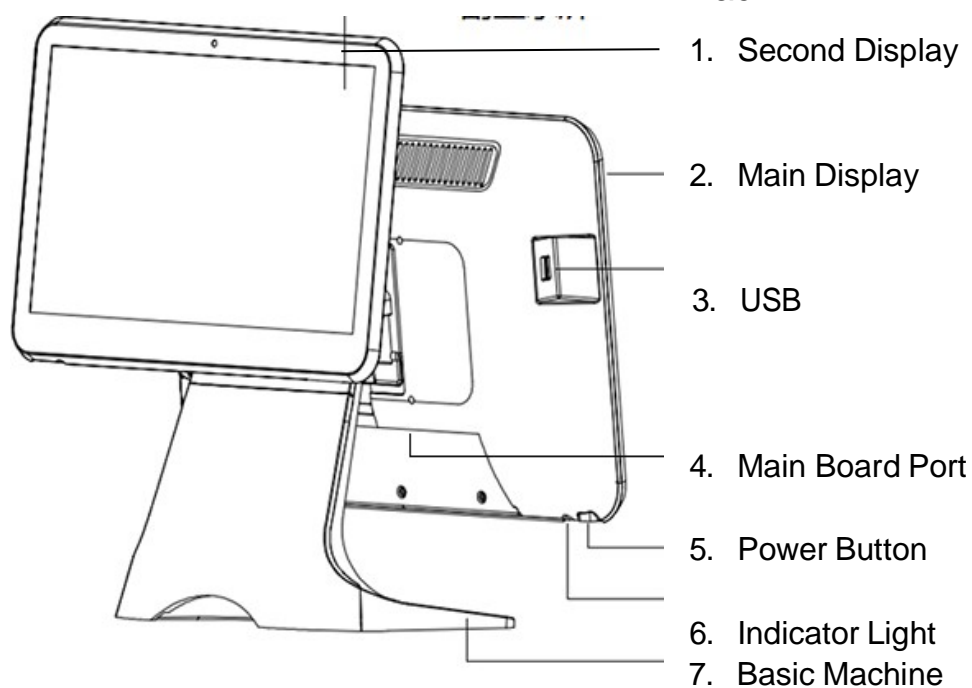


## 2. Dual Screen (R15-13)

Front



Back



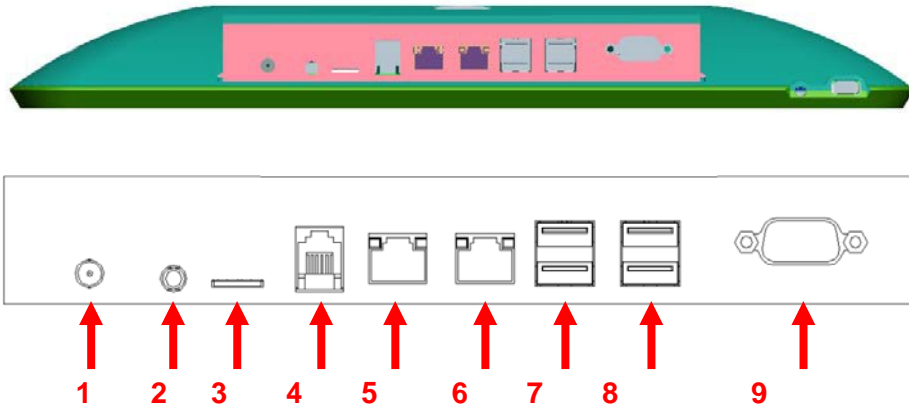
**13.3inch LED display parameter**

| Item                | Specification                | Unit  |
|---------------------|------------------------------|-------|
| Screen Diagonal     | 13.3                         | Inch  |
| Active Area         | 293.76(H)×165.24(V)          | mm    |
| Pixel Pitch         | 0.153(H)×0.153(V)            | mm    |
| Resolution          | 1920×1080                    | -     |
| Pixel Arrangement   | R.G.B. Vertical stripe       | -     |
| Display Mode        | Normally Black               | -     |
| White Luminance     | 220(Typ)                     | cd/m2 |
| Contrast Ratio      | 1000:1(Typ)700:1(Min)        | -     |
| Viewing angle range | 89(Typ)                      | Deg.  |
| Response Time       | 25                           | ms    |
| Operating Voltage   | 3.3V                         | V     |
| Surface Treatment   | Anti-glare (3H)              | -     |
| Outline Dimension   | 305.2(W)×187.9(V)×2.6(D)Typ. | mm    |
| Input signal        | EDP                          | -     |
| Support Colors      | 16,777,216                   | -     |

**15.6 inch LED display parameter**

| Item                | Specification                | Unit  |
|---------------------|------------------------------|-------|
| Screen Diagonal     | 15.6                         | Inch  |
| Active Area         | 344.16(H)×193.59(V)          | mm    |
| Pixel Pitch         | 0.17925(H)×0.17925(V)        | mm    |
| Resolution          | 1920×1080                    | -     |
| Pixel Arrangement   | R.G.B. Vertical stripe       | -     |
| Display Mode        | Normally White               | -     |
| White Luminance     | 220(Typ)                     | cd/m2 |
| Contrast Ratio      | 500:1(Typ)400:1(Min)         | -     |
| Viewing angle range | 45(Typ)                      | Deg.  |
| Response Time       | 16                           | ms    |
| Operating Voltage   | 3.3V                         | V     |
| Surface Treatment   | Anti-glare                   | -     |
| Outline Dimension   | 359.5(W)×206.5(V)×3.2(D)Typ. | mm    |
| Input signal        | EDP                          | -     |
| Display Colors      | 6bit +Hi-FRC                 | -     |

## 6.Main Board



| NO. | Description             |
|-----|-------------------------|
| 1   | DC IN (Power input)     |
| 2   | Audio (Audio input)     |
| 3   | TF (TF card)            |
| 4   | RJ11 (Cash drawer port) |
| 5   | RJ45 (COM port)         |
| 6   | LAN (LAN port)          |
| 7   | USB                     |
| 8   | USB                     |
| 9   | COM (only R15,R15-13)   |



### Warm Tips:

**This company does not provide any data restoration and the backup service. The company is not responsible for damage or loss of data, programs, or storage media. Please make sure you are in time to backup any information or programs that you consider valuable. Thank you for your cooperation!**

Shenzhen Yijietong Technology Co., Ltd

Tel: (86-755) 29881199

Fax: (86-755) 23156611

Add: (Yijietong Technology Industrial Park) Building 7, HangCheng Road, NanChang Second Industrial Zone, GuShu Community, XiXiang Street, Bao'An District, Shenzhen, CHINA

## Appendix: Names of toxic and harmful substances or elements and their contents

| Part                   | Hazardous substance |    |    |        |     |      |
|------------------------|---------------------|----|----|--------|-----|------|
|                        | Pb                  | Hg | Cd | Cr(VI) | PBB | PBDE |
| External device        | ×                   | ×  | ○  | ○      | ○   | ○    |
| Cable part             | ×                   | ○  | ○  | ○      | ○   | ○    |
| Switching power supply | ×                   | ×  | ○  | ○      | ○   | ○    |
| Mainboard and PCBA     | ×                   | ○  | ○  | ○      | ○   | ○    |
| Memory                 | ×                   | ○  | ○  | ○      | ○   | ○    |
| HDD/SSD                | ×                   | ○  | ○  | ○      | ○   | ○    |
| FAN                    | ×                   | ×  | ○  | ○      | ○   | ○    |
| Plastic part           | ○                   | ○  | ○  | ○      | ○   | ○    |
| Aluminum alloy         | ×                   | ○  | ○  | ×      | ○   | ○    |

○: Said the content of toxic and harmful substances in all homogeneous materials in the parts are specified in the SJ/T 113632006 limited the following requirements.

×: Said the content of toxic and harmful substances in at least one of the homogeneous materials beyond the limitation of SJ/T11363 - 2006 provisions; on the table in the "X" components, due to technical reasons at present can not achieve the replacement, follow-up will gradually improve.

Note: the peripheral component contains the keyboard, display, printer, cash drawer, adapter, customer display, laser gun or scanner.

**FCC Caution:**

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.