

## 21.5-inch Android touch all-in-one PC specifications

**Model No. : VR215**

**Version Date: 2021/8/27**



**Statement: "If consumers use a power adapter for power supply, they should purchase a supporting power adapter that has**

**obtained CCC certification and meets the requirements of the standard".**

**Note! The actual product shall prevail, and the specifications are for reference only! Please discuss the details with the business.**  
**Address: Floor 5-6, Building 9, Huafeng Science and Technology Park, Fengtang Avenue, Fuhai Street, Baoan District, Shenzhen Tel: 0755-23059953**

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## Chapter 1 Product Introduction

### Introduction:

VR215 Android smart all-in-one machine adopts Rockchip RK3288 quad-core chip solution and supports Google Android 7.1/9.1 system. RK3288 is the world's first quad-core ARM new A17 core chip and the world's first to support the latest super powerful Mali-T76x series. The GPU chip has a running score of more than 43,000 points, super performance, and supports the decoding of mainstream audio and video formats and pictures. The screen of the all-in-one machine is a 21.5-inch 1920\*1080 high-definition resolution display screen, a standard 10-point G+G capacitive touch screen, and a standard 2 million-pixel camera. Customizable GPIO interface, serial port (TTL/RS232/RS485) gravity sensor, memory and storage can be expanded and upgraded. A new four-core chip with eight-core speed and super performance makes the product more perfect, the new appearance design is more fashionable, and professional manufacturers create perfect quality. The all-in-one machine is widely used in intelligent control fields such as intelligent hardware, advertising, catering, security, industrial control, medical treatment, transportation, Internet of Things, finance, education, etc. Due to its hardware platform and Android intelligent features, human-computer interaction is required, Internet interaction, and Internet of Things interaction can all be used on the smart all-in-one machine.

### Characteristic:

- ◆ High performance; VR215 adopts quad-core A17 solution, which is one of the most powerful quad-core chips currently on the market. A brand-new four-core chip RK3288 solution with eight-core speed and super performance is adopted. Compared with the common single-core, dual-core, quad-core, and eight-core solutions on the market, it has a qualitative leap in performance and can play videos and pictures in various formats., used to handle various complex interactive operations.
- ◆ High stability; VR215 Android all-in-one machine has added its own unique technology in hardware and software to ensure the stability of the product, which can make the product unattended 7\*24 hours.
- ◆ High integration; VR215 Android all-in-one machine integrates Gigabit Ethernet, WIFI, 8-ohm 3-watt speaker, TF expansion card, microphone, headphone jack, camera and other functions, which greatly simplifies the design of the whole machine, and the reasonable layout design makes the whole machine The appearance is more coordinated and beautiful.
- ◆ High scalability; 2 USB ports, 2 serial ports, and 4 GPIO expansion ports can expand more external devices.

## Chapter 2 Product Specifications

Product image:



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# Shenzhen Bvson Technology Co., Ltd

Designed to provide customers with small and medium-sized smart touch display application solutions! [www.lcdbvs.com](http://www.lcdbvs.com)

## Basic Hardware Specifications:

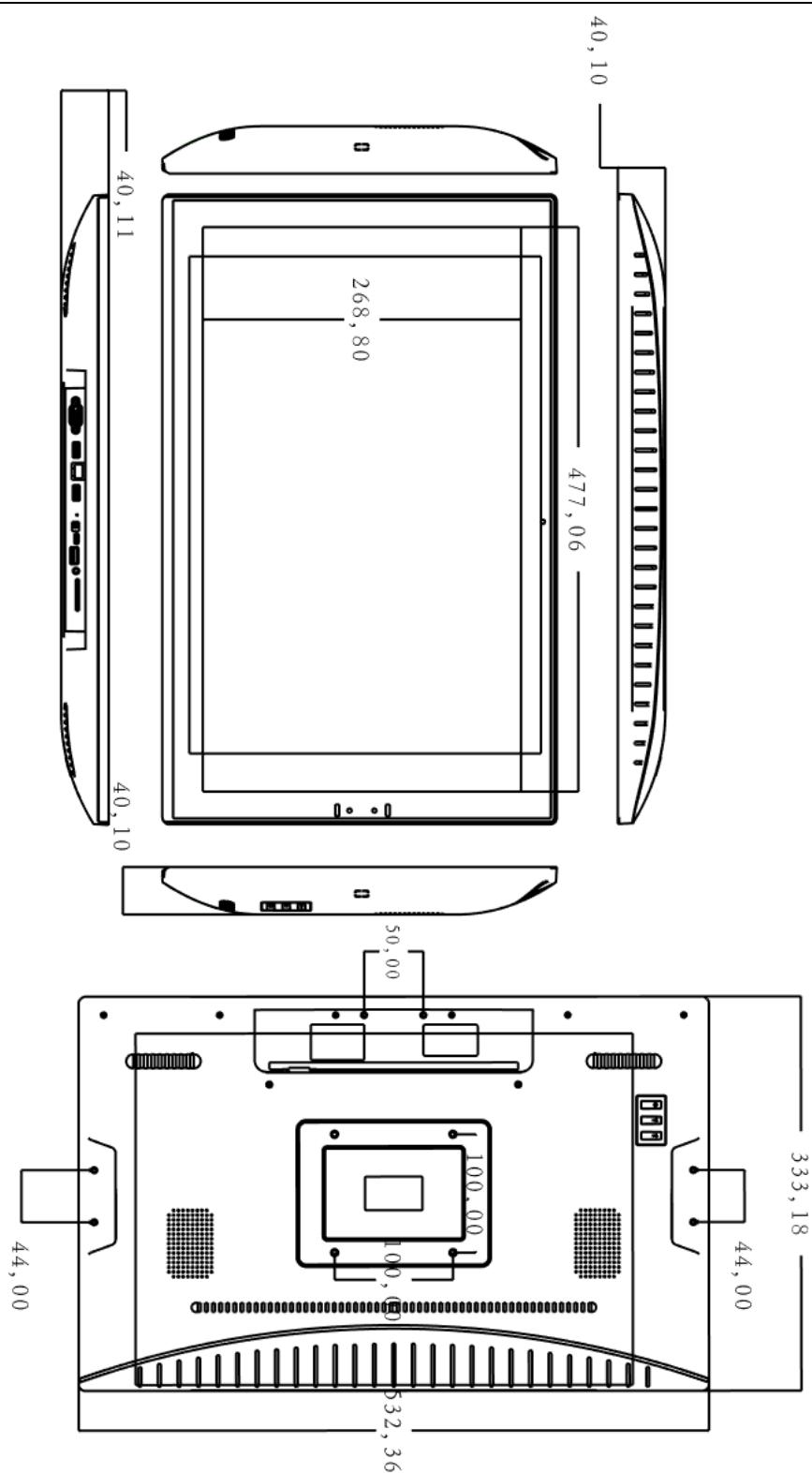
Size	21.5inch
Resolution	1920(RGB) × 1080 , WXGA
Brightness	250 cd/m <sup>2</sup> (Typ.) (选配 500 cd/m <sup>2</sup> )
Viewing angle	89/89/89/89 (Typ.) (CR≥10)
Contrast	800:1 (Typ.)
Touch screen	10 point capacitive touch
CPU	Rockchip RK3288 quad-core Cortex-A17+ quad-core GPU Mail-T764
Main frequency	1.8G
RAM	DDR3 2G
ROM	EMMC 16GB
Network	Equipped with RJ45 Gigabit Ethernet port, supports Ethernet With Wifi module, support 2.4G-Wifi, support Wi-Fi 802.11b/g/n protocol
Screen rotation	Support 0 degree, 90 degree, 180 degree, 270 degree manual rotation
Camera	2mp standard
Real Time Clock	Built-in real-time clock power supply battery, support timing switch (maritime shipping attention and logistics communication)
System watchdog	Support software watchdog
Interface device	1*USB HOST, 1* USB OTG
	2 sets of TTL/RS232/485 serial ports (optional)
	4 groups of IO detection ports, support infrared human body sensing (optional)
	TF card slot, supports up to 32G memory card
Card reader	NO
Audio	MP3,WMA,WAV,APE,FLAC,AAC,OGG,M4A,3GPP format
Video	Support 1080P multi-video decoding in video formats such as MPEG4, H.264,VP8,MAV,WMV,AVS,H.263 and online videos such as YouTube.
Image	Support JPG, BMP, PNG and other image formats to browse and support functions such as rotation/slideshow/image enlargement
Power adapter	DC12V3A (DC head diameter 5.5*2.1mm)
Support temperature	20°C~60°C

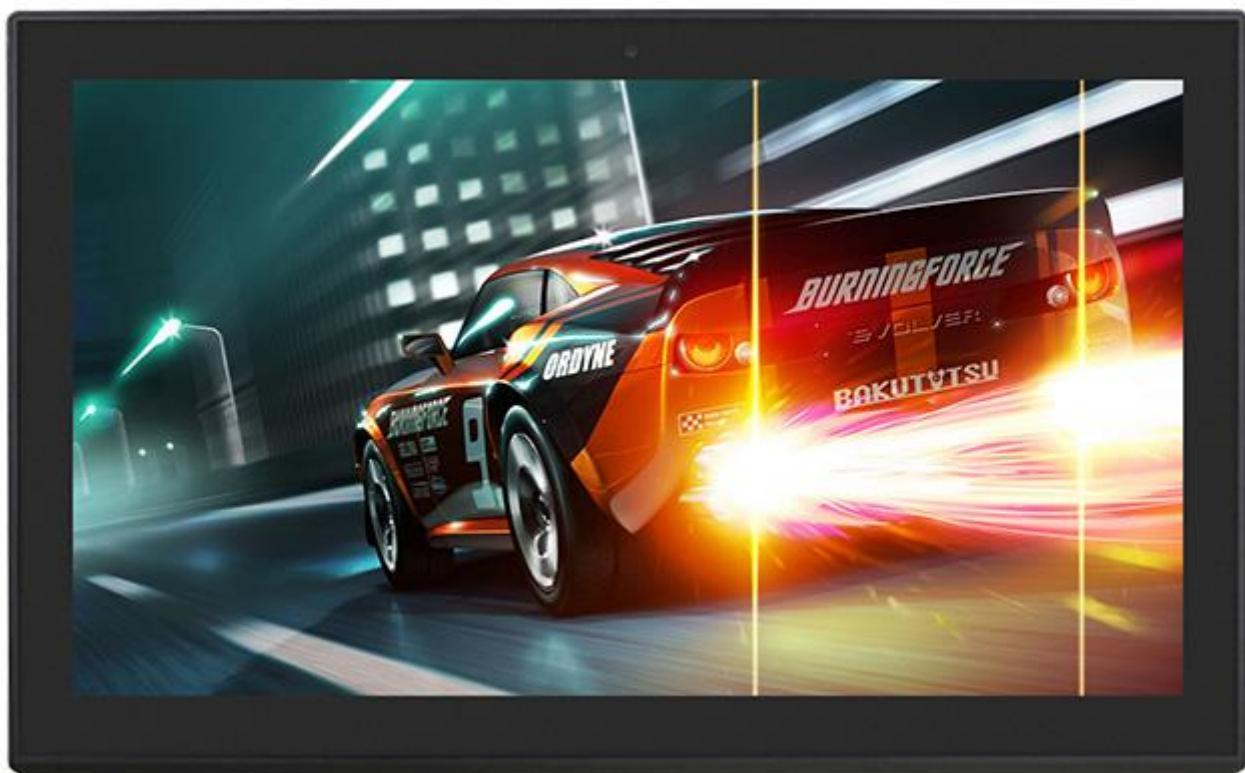
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## Basic Software Specifications:

Operating system	Google Android 7.1
Basic software functions	Camera, browser, web chat, email, e-book, explorer
Sound mode	Clock, Alarm Clock, Calculator, Recording
language support	Multi-lingual
Recording	Support MPS, WMA format recording
Tools	Calendar
	Alarm Clock
	Calculator
	Note
	Weather+clock
	Recording
Word processing	EPUB,WORD,EXCEL,POWERPOINT,PDF,TXT
E-book	PDF/TXT/CHM/DOC/EXCEL/EPUB/EPUB/RTF/FB2
Schedule	Calendar
Input	Standard Android keyboard, optional third-party input method (Chinese, Japanese, Korean, etc.)
Network	Browser-Chromelite
	GOOGLE Market
	Email
	Gmail
	Google talk
System Management	APK
	Original ecological Android system, open Root permission, and can carry out product customization development
	Real-time remote monitoring, system crash self-recovery, 7*24 hours unattended
	System setting
	Google Maps
	Global time
	Support OTA remote upgrade
	Support wifi display



**Chapter 3 Appendix****Front view picture****Side view picture**

Backside view picture



## 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.

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.



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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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.