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intelligent touch all in one pc

Model No.: VR156

Chapter 1 Product Introduction

Introduction:

VR156 Android smart all-in-one machine adopts Rockchip RK3288 quad-core chip solution and supports Google Android5.1-7.1 system. RK3288 is the world's first quad-core ARM new A17 core chip, and the world's first to support the latest and most powerful Mali-T76x series GPU chips which got 43,000 points in running score test, with super performance, and support mainstream audio/video/picture display. The machine composed by 15.6-inch 1920×1080 high-definition resolution screen, 10-point G+G capacitive touch, 2 million pixel camera, 1.3 million pixel 720P/2 million 1080P/5 million pixel camera can be customized. GPIO interface, serial port (TTL/RS232/RS485) gravity sensor can be customized, memory and storage can be expanded and upgraded. A brand-new quad-core chip with eight-core speed and super performance makes the product more perfect, the classic design has stronger adaptability, and professional manufacturers create perfect quality. All-in-one machines are 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 the characteristics of hardware platformization and Android intelligence, It can be used in human machine interaction, computer interaction, Internet interaction, and Internet of Things interaction.

Characteristics:

- ◆ **High Performance:** VR156 equipped with RK3288-the quad core A17 solution, which is one of the most powerful quad-core chips on the market. It adopts a new quad-core chip RK3288 solution with eight-core speed and super performance. 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 video images in various formats. Taken to handle various complex interactive operations.
- ◆ **High Stability:** VR156 adds its own unique technology to the hardware and software to ensure the stability of the product, which can make the product unattended for 7*24 hours.
- ◆ **High Integrity:** VR156 equipped Gigabit Ethernet,WIFI,Bluetooth,8 Euro 3 Watt Horn, SD Extension Card, Microphone, Headphone Port, Gravity Sensitivity, Camera. Simple design and reasonable layout makes appearance more coordinated and beautiful.
- ◆ **High Extension:** 3USB ports, 2RS232 built in, 4GPIO additional ports which could support more devices

Chapter 2 Product Specification

Hardware Specification:

Size	15.6 inch
Resolution	1920(RGB) x 1080 , WXGA
Brightness	250 cd/m ² (Typ.) (00 cd/m ² optional)
Viewing Angle	89/89/89/89 (Typ.)(CR≥10)
Contrast Ratio	800:1 (Typ.) (transmission)
Touch Screen	10 points capacitive touch
CPU	Rockchip RK3288 quad core Cortex-A17+quad core GPU Mail-T764
Frequency	1.8G
Access Memory	DDR3 2G (4G customizable)
Storage	EMMC 8GB (16G/32G/64G customizable)
Network	RJ45 gigabit ethernet equipped, Ethernet support
	Wifi module equipped, 2.4G-Wifi support, Wi-Fi 802.11b/g/n agreement support (5G-Wifi customizable)
	Bluetooth function equipped, V2.1+EDR/Bluetooth 3.0/3.0+HS/4.0
Pictures Rotable	0/90/180/270 degree manual rotation, (Gravity sensor function customizable)
Camera	Standard 200 mp (130mp 720P/200mp 1080P/500mp front camera optional)
Real Time Clock	Built-in real-time clock power supply battery, support timing switch machine (sea shipping pay attention to communication with logistics)
System Dongle	Software dongle support
Interfaces	3 USB HOST 1 USB OTG
	2 TTL/RS232/485 Com ports (Optional) Support external device modules (NFC Module, Printer, Card Reader, Scanner, ID Card Recognition, etc.)
	4 IO detection ports,infrared human body sensor (Optional)
	SD card slot (Max 32G)
Card Reader	Support NFC (ISO/IEC14443A agreement) /RFID card reader (Optional)
Audio	MP3,WMA,WAV,APE,FLAC,AAC,OGG,M4A,3GPP 格式
Video	Support H.264,VP8,MAV,WMV,AVS,H.263,MPEG4 1080P format video decoding, YouTube online video

Photo	Support JPG,BMP,PNG formats surfing Rotate/slideshow play/photo magnify functions
Power Adapter	DC12V3A (DC head diameter 4.0mm)
POE power	POE power supply support (Optional)
Temperature Support	20℃ ~60℃

Software Specification:

Operating System	Google Android 5.1/6.0/7.1
Software function	Camera, browser, web chat, email, e-book, explorer
Sound Effect Mode	Clock, alarm clock, calculator, recording
Language Support	Muti-language
Record	Support MPS、WMA format
Tools	Calendar
	Alarm Clock
	Calculator
	Notebook
	Weather + Clock
	Record
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 (Chinese, Japanese, Korean, etc.)
Network	Browser-Chromelite
	GOOGLE Market
	Email
	Gmail
	Google talk
System Management	APK installer
	The original Android system, open Root permission, and can develop customized products
	Real-time remote monitoring, self-recovery from system crashes, 7*24 hours unattended
	System setting
	Google Maps
	Global time
	Support OTG remote upgrade
	Support wifi display

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement.