



Thermal Tablet

VPAD L03TW

Hardware datasheet

Singapore | Zhuhai | Hong Kong | Macao
www.vonetec.com | www.vonechina.com

Model: VPAD L03TW

Main Features:

- Support real time live detection
- Support tracking of personnel movements under strong backlight conditions
- Unique live face recognition algorithm to accurately recognize faces, face recognition time is less than 0.5s
- Using Linux operating system, better system stability
- The camera uses H.265 Main Profile encoding, compatible with NVR and other storage devices through the ONVIF protocol
- Support TF card storage, pictures are stored continuously for 1 year or longer (depends on TF card capacity)
- Mean time between failures MTBF>50000 H
- Support wrist temperature measurement and high temperature alarm
- Support temperature data interface protocol docking
- IP65 water-proof and dust-proof
- Support 10,000 face matching library and 80,000 face recognition records
- Rich interface protocol, support TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, SMTP, UPNP, MQTT protocol, Windows/Linux
- Built-in light sensor, automatically adjust the opening and closing of the fill light
- Rich hardware interface (I/O, WG26, WG34, RJ45, USB)
- 7-inch IPS full-view HD display, no streaking and delay
- Support automatic gain control and automatic white balance
- 3D noise reduction and fog-passing technology makes the monitoring picture under low illumination more clear and delicate
- Support code stream and I frame interval setting
- Support video area partial blocking
- Support ROI coding
- Support setting maximum exposure time
- Support 2D noise reduction, 3D noise reduction
- Support recording schedule time period and upload mode setting



- Support video brightness, contrast, hue, saturation, gamma adjustment
- Support setting the maximum auto exposure time
- Support face intelligent exposure, face smart enhancement settings

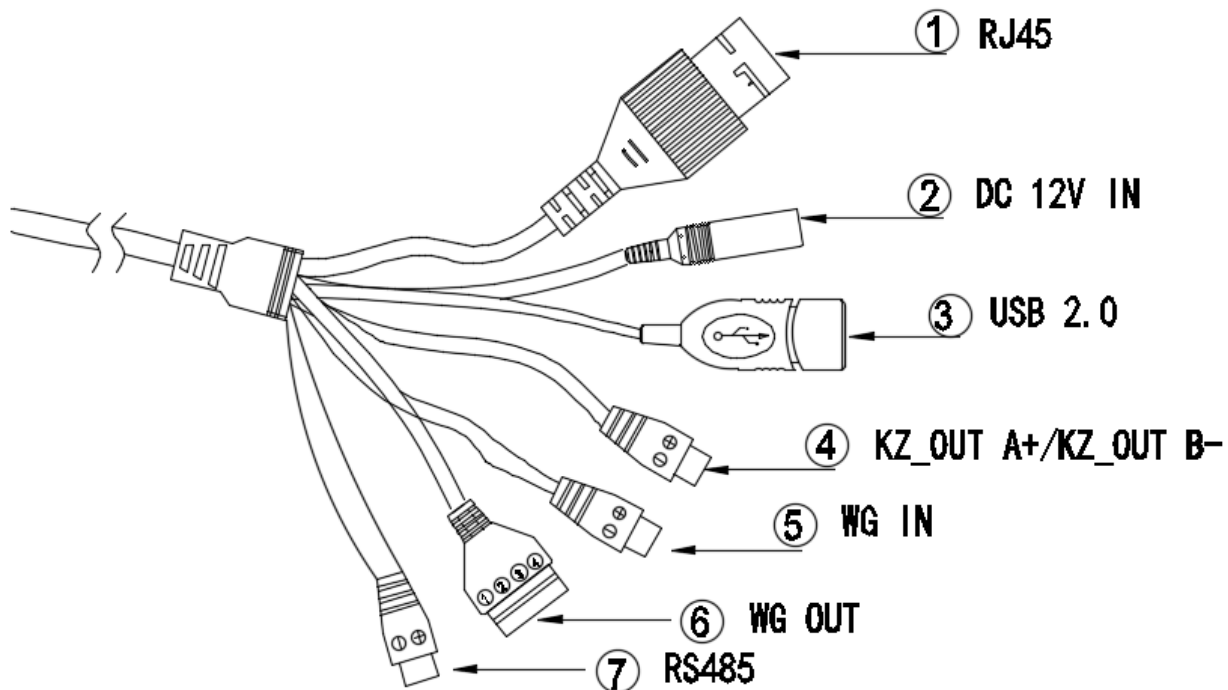
Specifications:

Model	VPAD L03TW
Hardware	
Processor	Dual Core Processor + 1G memory + 8G EMMC
Operating system	Linux Operating system
Storage	Support TF card storage
Viewing angle	Vertical viewing angle: 30°; Horizontal viewing angle: 30°
Sensor	1/2.8" Progressive Scan CMOS(IMX307)
Lens	6mm
Speaker	voice playback content can be customized
Temperature measurement performance	
Measurement range	16°C - 40°C (Indoor without wind)
Temperature measurement Lens	European original lens
Sensors type	European imported sensors
Measurement accuracy	±0.3°C
Measurement response time	300ms
Performance	
Recognition height	1.2~2.2 meters, angle adjustable
Recognition distance	0.3~1.5 meters, depends on lens
Recognition time	Less than 0.5 seconds

Storage capacity	80,000 capture records
Face capacity	10,000pcs
Screen brightness	≥400 cd/m2
Interface	
Switching output	1 way switch output, other GPIO port can be customized
Network interface	1 RJ45 10M / 100M adaptive Ethernet port, Gigabit Ethernet port can be customized
Wiegand interface	1ch Wiegand interface input/output
RS485	There is an RS485 interface on the PCB board, but no lead
USB interface	1ch USB interface
Camera	
Camera	Dual cameras
Effective pixels	2MP, 1920*1080
Min Illumination	Color 0.01Lux @F1.2(ICR);B/W 0.001Lux @F1.2 (ICR)
SNR	≥50db(AGC OFF)
WDR	120db, ISP algorithm face partial exposure
Video coding	H.265 Main Profile coding/H.264 BP/MP/HP coding/MJPEG coding
Function	
Web side configuration	support
Remote upgrade	support
LAN/WAN	support
Regular	
Working humidity	0~90% relative humidity, no condensation
Salt spray	level Rp6 or above
Antistatic	contact ±6KV, air ±8KV

Power	DC12V/2A , 20W(MAX)
Column aperture	36mm
Equipment size	240 (L) * 128 (W) * 26 (T) mm
Screen size	7 inches IPS HD screen
Weight	1.5 kg

Interface:



No.	Name	Quantity	Remark
1	Network	1	RJ45
2	Power	1	DC12V IN
3	USB	1	USB 2.0
4	Switch Output	1	Switch output interface A+/B-

5	Wiegand protocol input interface	1	① vcc12V ② GND ③ D0 ④ D1
6	Wiegand protocol output interface	1	① vcc12V ② GND ③ D0 ④ D1
7	RS485	1	① 485- ② 485+



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