
User Manual for Facial Recognition Terminal (Plastic Enclosure Model)



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Release version: V1.0

Description of Facial Recognition Terminal P12



1.application scenarios

Applicable to hospitals, hotels, administrative offices, office buildings, schools, communities, logistics facilities, and other venues requiring identity verification and visitor management..

2. product features

- Wide dynamic binocular camera with live body monitoring capability;
- Optional scan window and 58 thermal printer;
- Optional fingerprint module;
- Optional NFC card reader and ID card reader are available.
- Supports deployment methods for public networks and local area networks, with optional 4G communication modules.
- Multiple screen sizes are available as optional configurations.

3 .Product Specification Sheet

Integrated Person Verification Terminal			
product model		P12	
screen	size	Full-view 12.1-inch, 14-inch, and 15.6-inch displays	
	resolution ratio	12.1" (1600*900) 14" (1920*1080) 15.6" (1920*1080)	
camera	type	RGB	infrared
	resolution ratio	2 million pixels	1.3 megapixels (optional)
	iris diaphragm	F2.4	F2.4
	focal distance	3.0MM	3.0MM
	white balance	voluntarily	voluntarily
	Wide Dynamic	support	support
	Vertical wide-angle	88 degrees	88 degrees
	Horizontal wide-angle	57 degrees	57 degrees
Basic Specifications	operating system	Android 7.1 BOZZ OS	
	processor	3288A17*4 processor with a clock frequency of 1.8GHz and Mali T764 GPU	
	memorizer	2GDDR+32G EMMC	
	device power supply	DC12V/3A	
	Device power consumption	25.2W Max	
	relative humidity	0%-90% (in the absence of condensed water droplets)	
	working temperature	0°C~45°C	
	Storage temperature	-20°C~70°C	

	service environment	indoor
	Device size	38 1mm*308mm*361mm
hardware configuration	RM	human face
	joggle	USBType-A*4
		RJ45 LAN port *1
		Micro-USB debugging port*1
		DC power port *1
		3.5mm headphone jack*1
		Supports MicroTF card slot*1, up to 64GB
		Supports optional HDMI*1
	Infrared supplementary light lamp	support
	White fill light	support
loudspeaker	3W*1	
essential parameter	WIFI	2.4G supports IEEE 802.11b/g/n standards
	PDA	Supports Bluetooth 2.1/3.0/4.0/4.2
	communication mode	4G full-network compatibility (optional: requires customized procurement)
Scan QR code window	Supported categories	Supports one-dimensional, two-dimensional, mobile screen, and printed barcodes
	Scan distance	2-18cm
	Recognition speed	15 times per second maximum
printer	class	58 Thermal Printer (Optional)
	Paper roll diameter	80mm Max

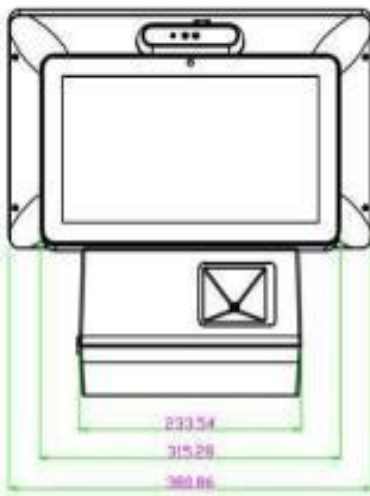
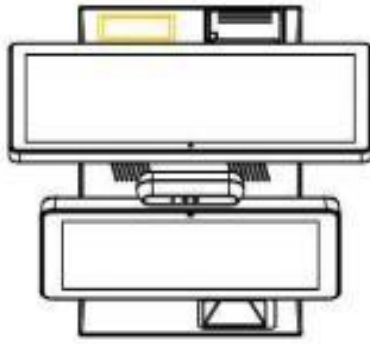
	print out rate	70mm/s Max
Package parameters	weight	4.5Kg
	size	410*380*455mm

4. P12 Terminal Type Diagram

12.1-inch + 15.6-inch version:



5. P12 ID Verification Machine Dimensions (381*361*308mm)



6 . P12 Appearance Part Indicator Description



7 .Product packaging and instructions for use

(1) List of Materials/Tools

order number	Material/Tool Name	dosage	explain
1	Host and built-in accessories	1	The included accessories consist of: 12V power adapter, desiccant, and inspection certificate, etc.
2	Ethernet cable (optional: requires external purchase)	a surname	For Ethernet and other residual wiring deployment
3	Wire clamp, network tester, bevel pliers, electrical adhesive	a surname	For Ethernet and other residual wiring deployment
	Strap and wire clip (optional: requires external purchase)		

8. Installation Notes

1. During actual wiring installation, if the host computers 12V power supply line does not utilize a "dedicated power extension cable" and has an excessively long distance, resulting in excessive cable equivalent resistance, abnormal phenomena such as insufficient terminal voltage ($\leq 11V$), repeated host restarts, and system crashes may easily occur.
2. The installation environment must be absolutely dry, and strong electric current as well as strong electromagnetic fields should be avoided. Electromagnetic appliances, mobile phones, and other portable electrical devices may be moved freely. The device should be kept as far away from the equipment as possible.
3. This product is a precision device. Avoid collisions, drops, and vibrations to prevent detachment of motherboard components or internal damage to the camera. resulting in functional or performance issues with the product.
4. The equipment comes with a built-in power adapter, with a total length of 1.8 meters. The power cord extension should not exceed 3 meters, as exceeding this length may cause insufficient voltage supply to the devices main unit, resulting in abnormal phenomena such as repeated restarts and system crashes. Using other adapters (e.g., 9V/1A) may cause the device to restart repeatedly due to insufficient voltage or low current. The cables used should not be too thin (e.g., thin Ethernet cables). It is recommended to use parallel multi-strand cables of the same type or thicker copper-core cables to ensure a voltage $> 11V$.

Note: If using a network cable, use a 4-core extension cable with the four cores serving as the positive and negative terminals.

If you are unsure how to extend the power supply, contact the supplier to replace it with a dedicated power extension cable.