

Visual Recognition and Settlement All-in-One Machine instructions



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Release version: V1.0

Description of Visual Recognition and Settlement All-in-One Machine



1 .application scenarios

Ideal for group dining venues with high foot traffic, including businesses, schools, and fast-food restaurants.

2 .product features

- High-performance six-core processor with ultra-high RAM capacity and multiple memory configuration options available.
- High-definition large-screen display;
- BOZZOS, with optional dual-screen interaction;
- 5MP HD AI vision camera for precise dish recognition;
- Extensive external interfaces;
- Supports public networks and offers optional 4G communication modules.
- Supports single/dual screens with multi-angle adjustment;
- Displays in various sizes with multiple combination options.

3 .Product Specification Sheet

Visual Recognition and Settlement All-in-One Machine				
product model		P29		
screen	size	15.6 IPS 13.3 IPS 12.1 TN		
	resolution ratio	15.6-inch (1920*1080 resolution), 13.3-inch (1920*1080 resolution), 12.1-inch (1600*900 resolution) G+G capacitive multi-touch screen		
Camera (optional 3MP, 5MP)	type	multicolour	infrared	
	resolution ratio	2 million pixels		
	iris diaphragm	F2.0	F2.0	
	focal distance	4.5MM	4.5MM	
	white balance	voluntarily	voluntarily	
	Wide Dynamic	support	support	
	Vertical wide-angle	40 degrees	40 degrees	
	Horizontal wide-angle	65 degrees	65 degrees	
Basic Specifications	operating system	Android 11 BOZZ OS		
	processor	RK3399 A72*2+ A53*4 with a base frequency of 1.8GHz and Mail T860 processor Optional: RK3288/RK3566/RK3576/RK3588		
	internal storage	4G +32GB (optional)		
	device power supply	12V//3A		
	Device power consumption	36W Max		
	relative humidity	0%-90% (in the absence of condensed water droplets)		
	working temperature	0°C~40°C		
	Storage temperature	-20°C~60°C		
	service environment	indoor		
	Device size	TBD		
	joggle	USB A *2		
		RJ45 LAN port *1		
		Micro-USB debugging port*1		
		DC power port *1		
		SIM card slot (standard when 4G module is optional)		
		Supports Micro TF card slot		
loudspeaker	3W*1			
essential parameter	WIFI	2.4G supports IEEE 802.11b/g/n		
	PDA	Supports Bluetooth 4.2		
	communication mode	4G full-network compatibility (optional: requires customized procurement)		
Package parameters	weight	15Kg		
	size	TBD		

4 .Package and Instructions for Use

Materials/Tools List

order number	Material/Tool Name	dosage	explain
1	Host and built-in accessories	1	The included accessories include: 12 V power adapter, screen cable, 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 tape, wire clip (optional: requires external purchase)	a surname	For Ethernet and other residual wiring deployment

5 . Installation Notes

1. During actual wiring installation, if the 12 V power supply cable of the host device does not utilize a "dedicated power extension cable" and the distance is excessively long, resulting in excessive equivalent resistance of the cable, abnormal phenomena such as insufficient terminal voltage (≤ 11 V), repeated host restarts, and system crashes may easily occur.
2. The installation environment must be absolutely dry, and strong electric currents as well as strong electromagnetic fields should be avoided. Electromagnetic appliances and mobile devices such as smartphones should be kept as far away from equipment as possible.
3. This product is a precision device. Avoid collisions, drops, and vibrations to prevent detachment of motherboard components or internal camera damage, which may lead to functional or performance issues.
4. During display screen assembly, connection cables must not be hot-swapped.
5. 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., 1 2V/2A) may cause repeated device restarts due to insufficient voltage or inadequate 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 > 11 V.
 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.