

Facial recognition electronic class sign F185 instructions



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Release version: V1.0

Explanation of the F 185 Electronic Face Recognition Signboard



1 .application scenarios

Suitable for corporate, school, training institution, hospital, and administrative unit signage as well as access control scenarios.

2 .product features

- 2.00W high-definition monocular camera;
- Slim and lightweight design with an aluminum alloy frame;
- High-performance six-core processor;
- Extensive external interfaces;
- Built-in NFC card reader;

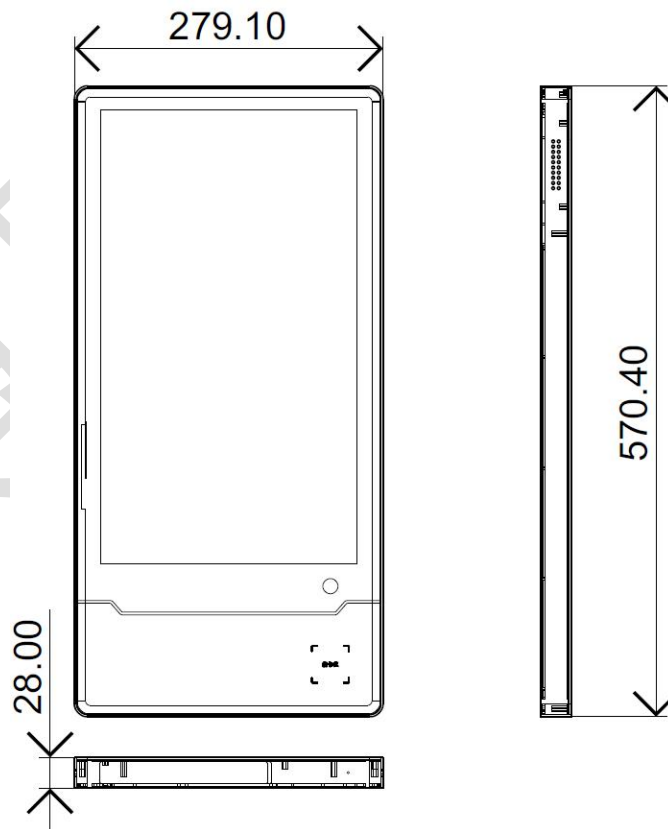
3 .Product Specification Sheet

Facial Recognition Electronic Class Sign			
product model	F 185		
screen	size	18.5-inch Full View	
	resolution ratio	1920*1080 G+G capacitive multi-touch screen	
camera	type	200W HD camera	
Basic Specifications	operating system	Android 7.1 BOZZ OS	
	processor	RK3399 A72*2+ A53*4 Main frequency 1.8GHz & Mail T864	
	memorizer	4G DDR+ 16 EMMC	
	device power supply	DC 12 V/3 A	
	Device power consumption	26.2 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	279.1mm*570.4mm*28mm	
	RM	human face /NFC	
	joggle	USB Type-A * 2	
		RJ45 LAN port *1	
		Micro-USB port*1	
		DC power port*1	
Supports MicroTF card slot* 1, up to 64GB			
loudspeaker	3.5mm headphone jack * 1		
	2W* 2		
NFC	support		
essential parameter	WIFI	2.4G supports IEEE 802.11b/g/n	
	PDA	Supports Bluetooth 2.1/3.0/4.0/4.2	
	communication mode	4G full-network compatibility (optional: requires customized procurement)	
Package parameters	weight	7 .5 Kg	
	size	645*408*105 mm	

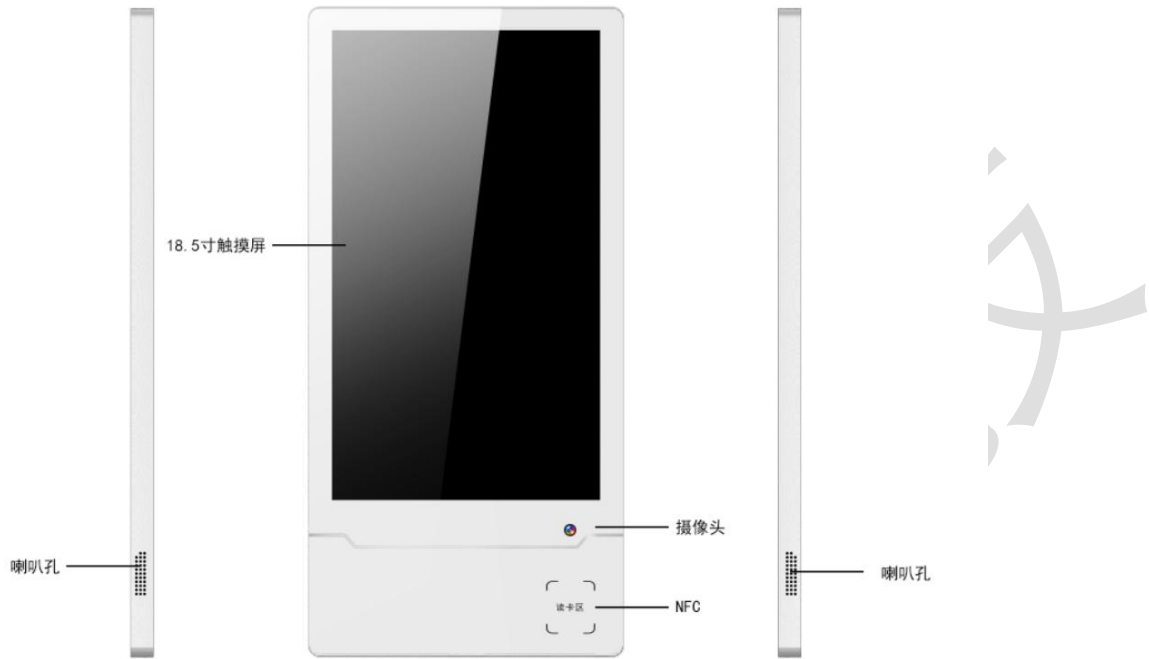
4 .F185 Electronic Class Sign Diagram



5 .The exterior dimensions of the F185 are 279.1 x 570.4 x 28mm.

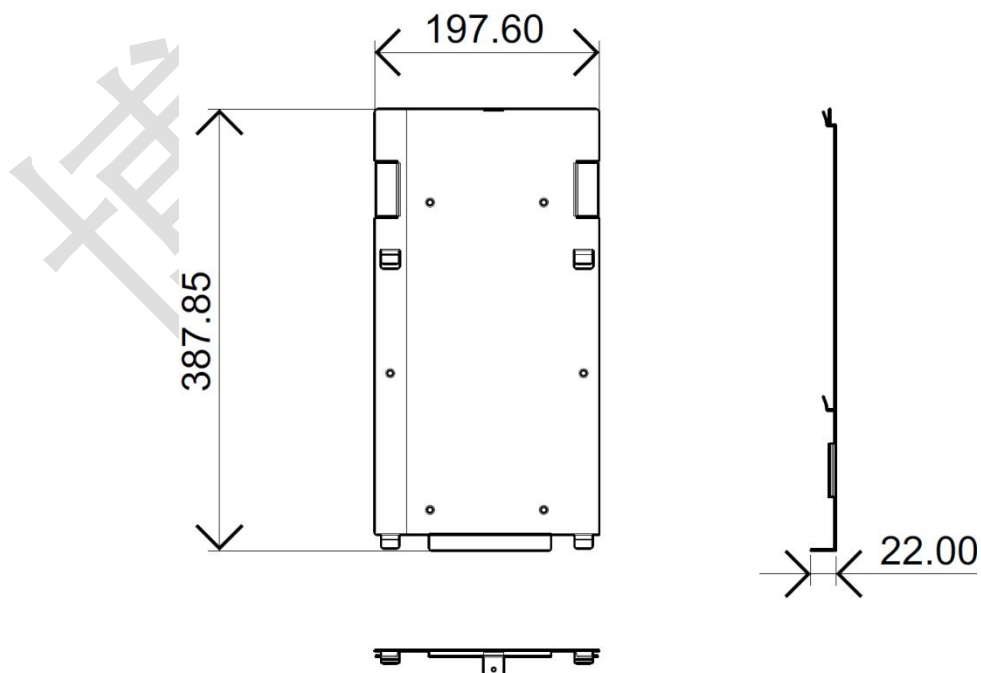


6 .Description of the front part of the F185 electronic class sign

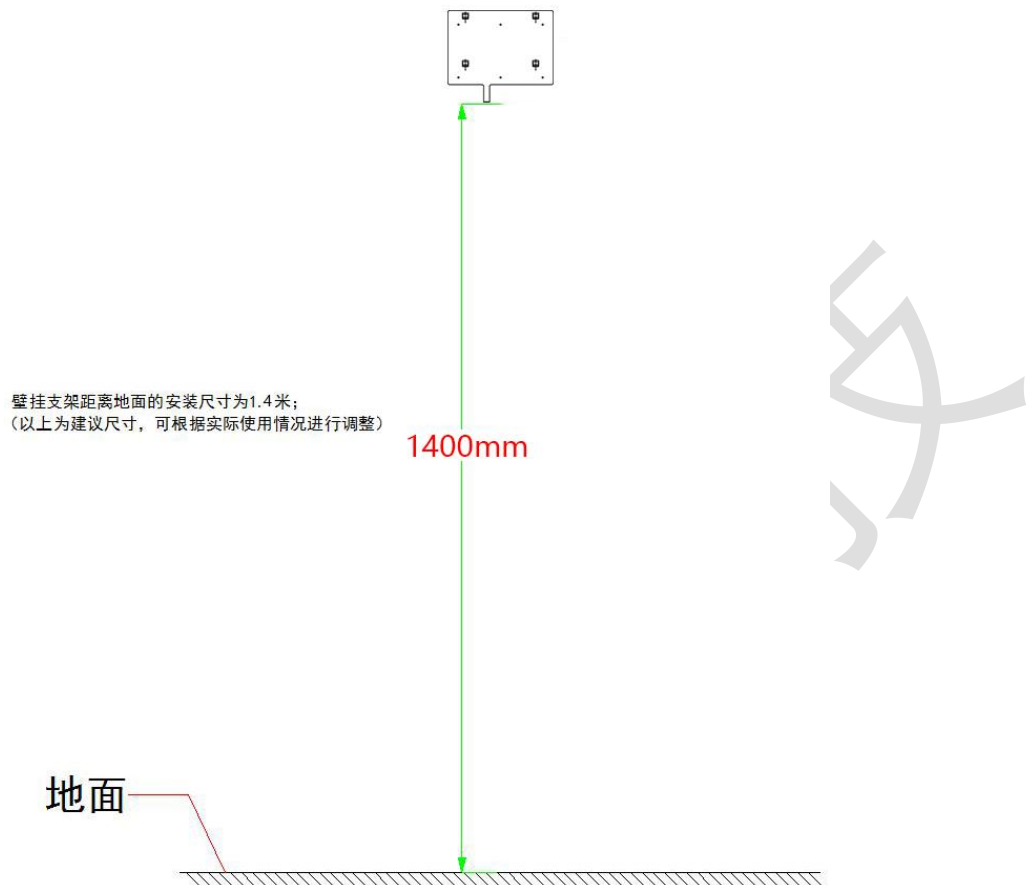


7 .Installation Instructions for F185 Electronic Class Sign

① Dimension specifications for wall-mounted brackets;



② Instructions for the installation position of wall-mounted brackets;



8 .Electronic class sign packaging and usage instructions

Materials/Tools List

order number	Material/Tool Name	dosage	explain
1	Host and built-in accessories	1	Included accessories: 12V adapter, wall mounting bracket, installation screws, interface door lock key, desiccant, etc.
2	Door switch (optional: requires external purchase)	1	Use when going out (not required if already equipped)
3	Ethernet cable (optional: requires external purchase)	a surname	For Ethernet and other residual wiring deployment
4	Wire clamp, network tester, bevel pliers, electrical tape, wire clip (optional: requires external purchase)	a surname	For Ethernet and other residual wiring deployment
5	Drilling tools (optional: externally sourced)	a surname	For installing equipment and routing cables

9 .Installation Notes

1. During actual wiring installation, if the host computers 12V power supply line does not utilize a "dedicated power extension cable" and the distance is excessively long, resulting in excessive equivalent cable 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 currents as well as strong electromagnetic fields should be avoided. Electromagnetic appliances, mobile phones, and other portable electrical devices 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 camera damage, which may lead to functional or performance issues.
4. The installation environment must be absolutely dry, and strong electric currents as well as strong electromagnetic fields should be avoided. Electromagnetic appliances, mobile phones, and other portable electrical devices should be kept as far away from the equipment as possible.
5. The equipment comes with a built-in power adapter as shown in the figure, 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.