

AK-P856 Specification



Model: P856

Product Name: LPR Barrier

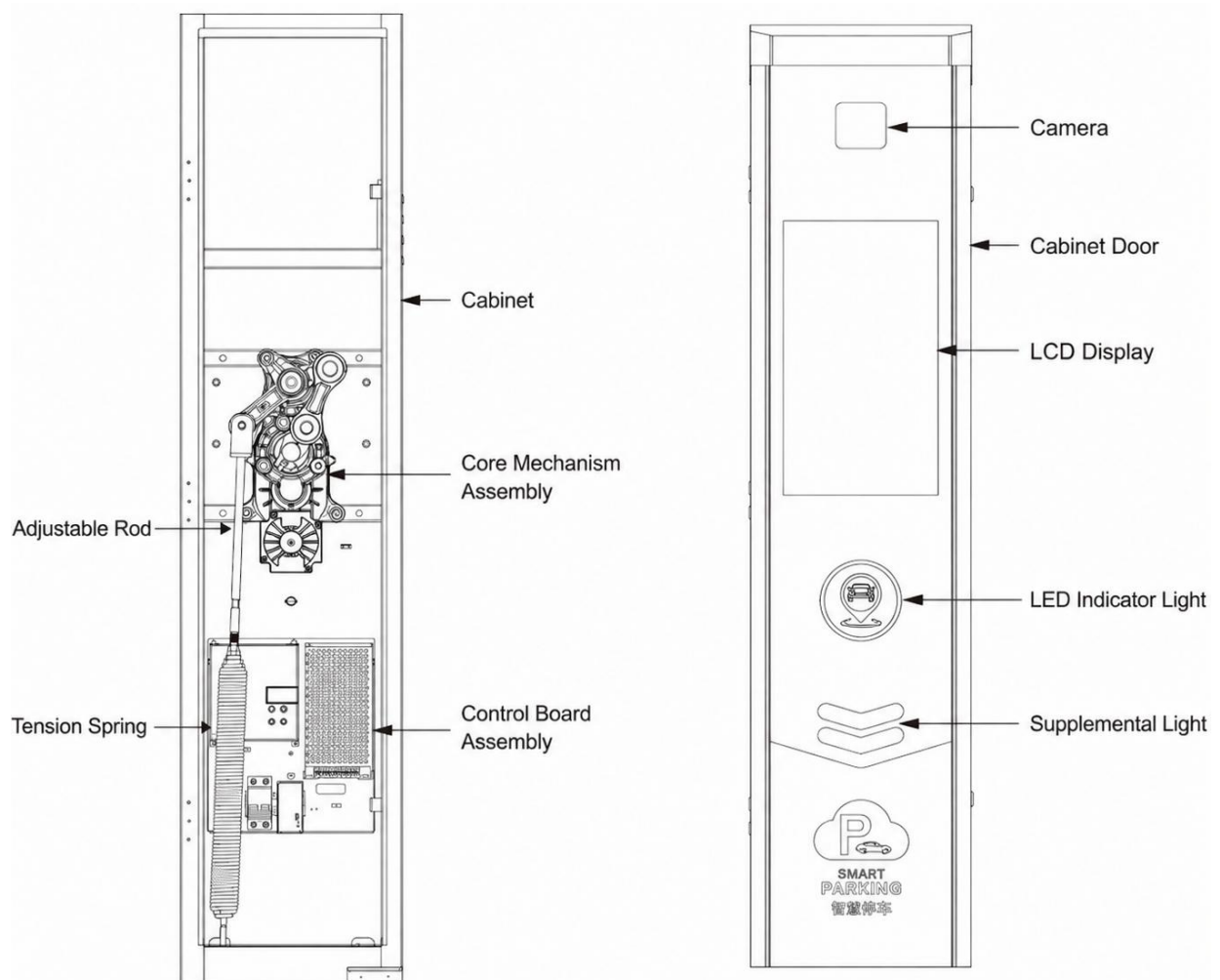
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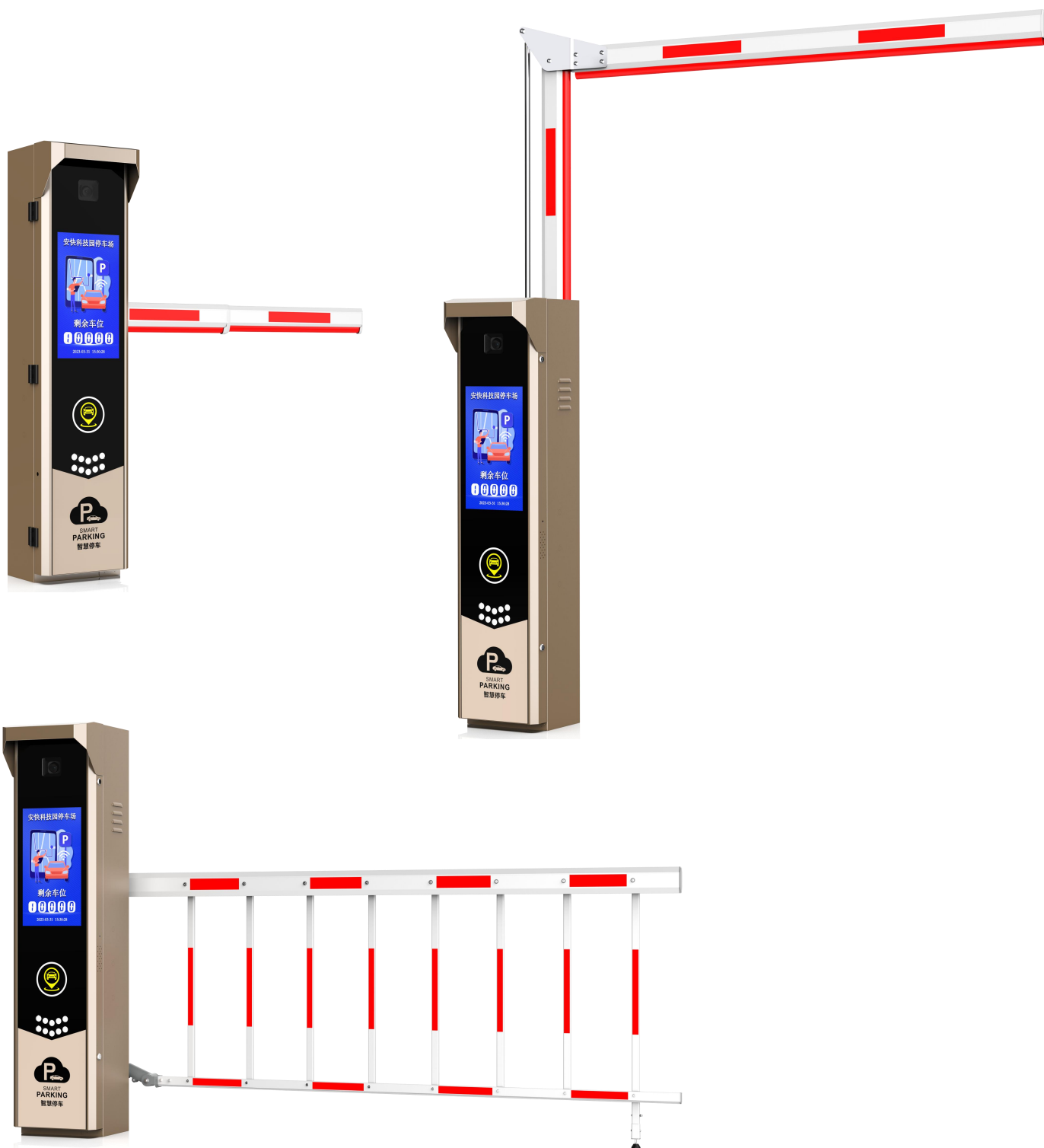
1. Product Overview

The AK-P856 license plate recognition integrated machine is a high-performance, high-reliability, and high-stability barrier gate system. With a simple and elegant design, it features a 500W high-definition recognition camera, an 18.5-inch LCD screen, an integrated reducer, a servo control board, and intelligent voice control. It boasts high recognition resolution, clear display, and high-precision reducer, supporting license plate recognition, dynamic QR code scanning for vehicles without license plates, and video and image advertising. The controller uses a servo algorithm, ensuring smooth operation. It can be paired with various barrier arm types, including straight, curved, and fence-type, providing users with more options to meet the needs of different customers. It is widely used in access control scenarios in communities, shopping malls, hotels, parking lots, and other locations.

2. Figure



2.2 Picture



3. Features

1. Operating at DC24V, it is safer than a vehicle and will not cause harm even if accidentally touched.
2. Utilizes servo motor control technology, with independently adjustable gate arm speed, ensuring smooth and reliable gate operation.
3. Employs a full gear reducer, resulting in lower noise and greater environmental friendliness. Combined with a precise four-bar linkage mechanism, it ensures fast and smooth gate arm operation, effectively reducing gate arm vibration and extending the gate's lifespan.
4. Supports standard remote control with intelligent learning function, supporting multiple remote control codes. Uses anti-copy antennas and remote controls to effectively avoid signal interference, improve parking lot management efficiency, and ensure safe passage.
5. Features a built-in obstacle detection and bounce function, which, when used with a ground sensor, effectively reduces losses due to accidents.
6. Supports power-off gate arm raising function, ensuring rapid passage during power outages.
7. Independently adjustable gate opening and closing speeds to meet different customer needs.
8. Built-in obstacle detection and bounce function effectively reduces injuries due to accidents.
9. 10. Supports counting function, reducing the impact on the mechanical structure caused by frequent boom raising and lowering;
11. Supports delayed boom lowering function;
12. Supports manual adjustment of the switch position;
13. Supports relay and high-level signal input (optional);
14. Features boom raising and lowering limit signal output

(adjustable to different signal output modes);

- 15. Supports shielded ground sensor angle function;
- 16. Uses a dedicated license plate recognition chip for more powerful and stable performance;
- 17. 18.5-inch outdoor high-brightness LCD screen for more intuitive display of videos, animated advertisements, and payment pages;
- 18. Supports deployment methods for public networks and local area networks;
- 19. High-definition license plate recognition camera;
- 20. Customizable loading of video and image advertisements;
- 21. Customizable volume settings for different time periods;
- 22. Supports license plateless vehicles scanning for entry and exit and self-service electronic payment in parking lots;
- 23. Supports user-friendly voice and screen display prompts.

4. Technical Spec

4.1、Spec

Voltage	DC24V
Power	60W
Working temperature	-30°C~70°C
Humidity	≤90%
Boom Length	≤6m
Speed	1.8s-3s, 3s-6s adjustable
Remote Frequency	430.5MHz
Remote Distance	≤30m
Interface	Relay/High-Level
Working Life	≥5 millions Times
Display	18.5inch LCD
Resolution	768X1366
Camera	5MP
Recognition Rate	≥99.9%
Counterfeit prevention	≥99%
Communication	TCP/IP

IP	IP54
Dimension	328*375*1432mm (L*W*H)

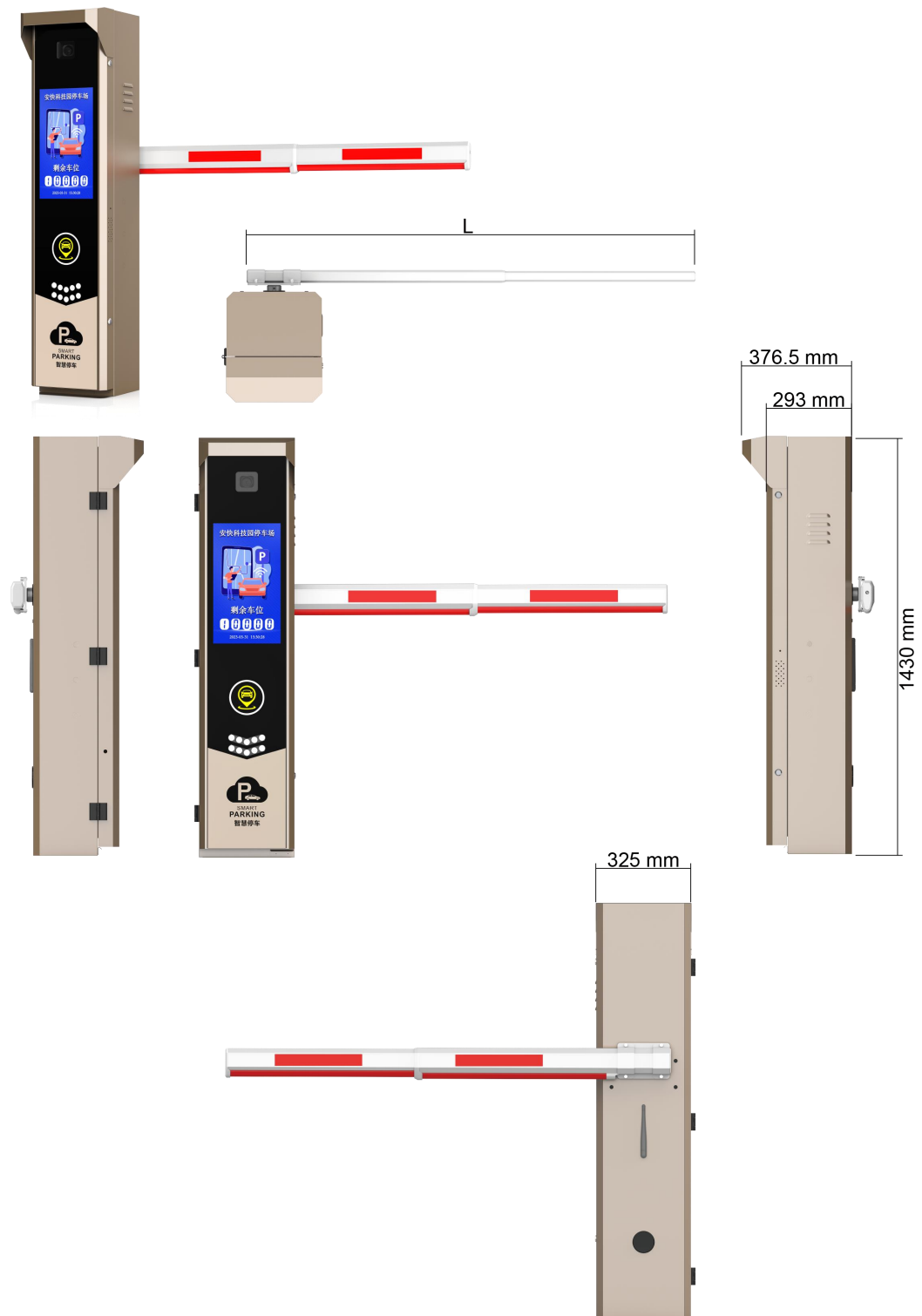
4.2 Boom Type

Type	Length (M)	Open Speed (S)	Close(S)	Center Height
Telescopic Rubber	≤3.5	1.8	2	890
	≤4.5	3	3.5	
	≤6	5	6	
Fence	≤3	3	4	
	≤5	6	6.5	

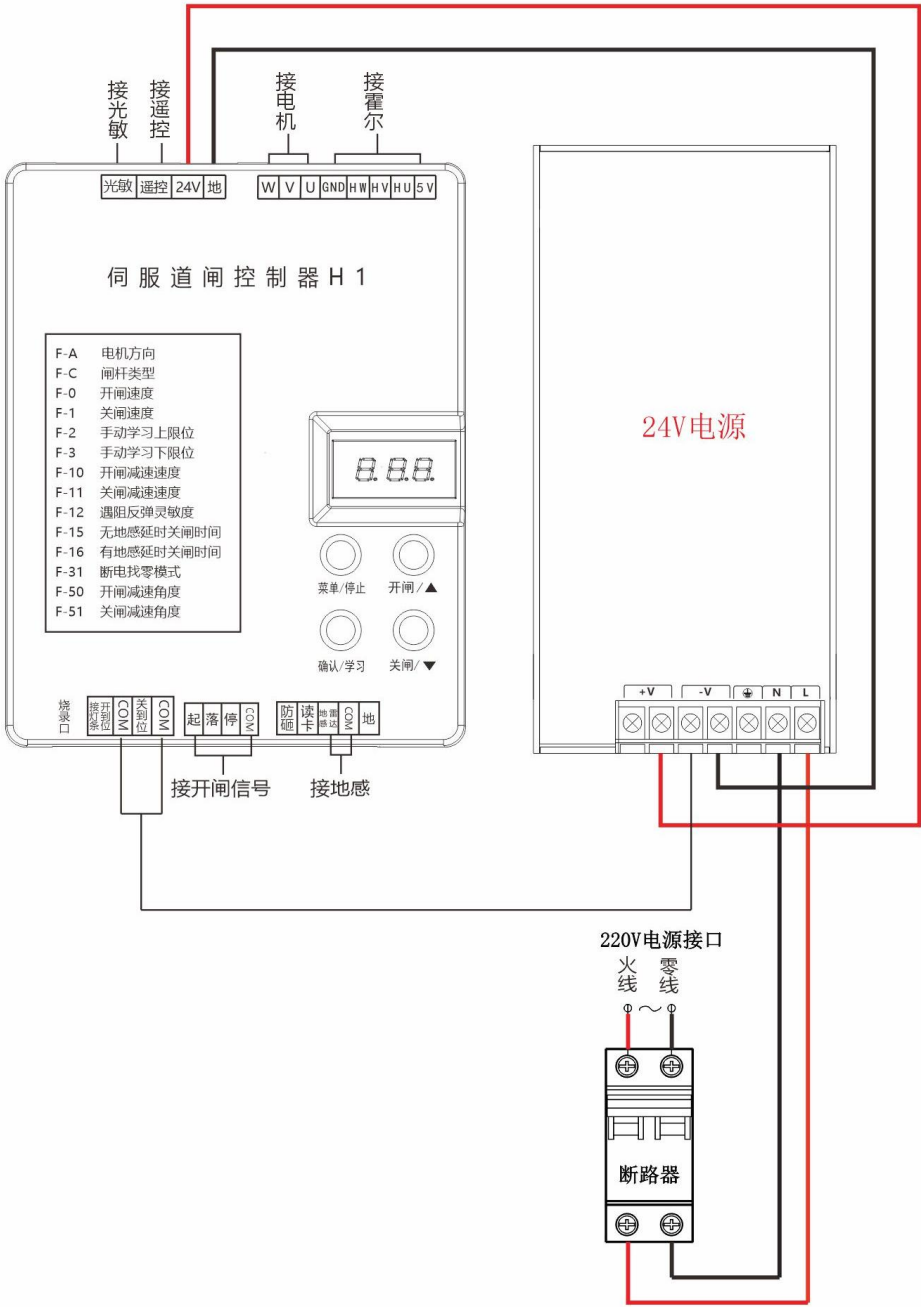
4.3 Spring configuration

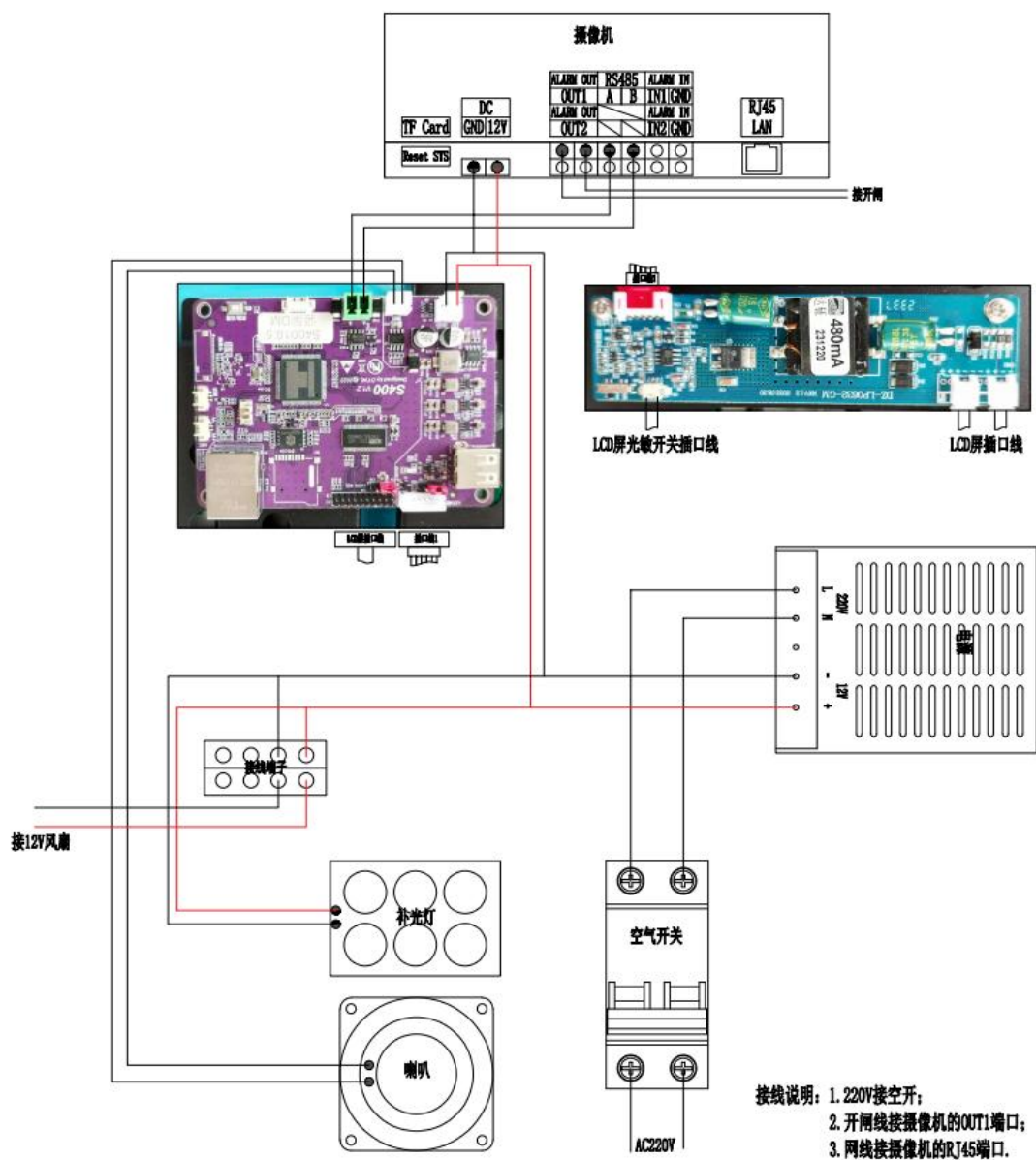
Type	Length	Spring size & qty	备注
Telescopic Rubber	L≤4M	2*φ4.5	Fast speed motor usd 1pcs φ5.5 spring
	4M < L≤6M	2*φ5.5	
Folding	L≤4M	2*φ4.5	
	4M < L≤6M	2*φ5.5	
Fence	2.5M≤L≤3.5M	2*φ5.5	
	3.5M < L < 4.5M	4*φ5.5	
	4.5M≤L≤5M	2*φ6.0+2*φ5.5	

4.4 Dimension



5.Diagram





6.Packing

6.1: Weight: **KG±5KG

6.2 package size: 380*376*1460mm

七、 Revision

Item	Revision Content	Name	date
1			
2			
3			
4			
5			