

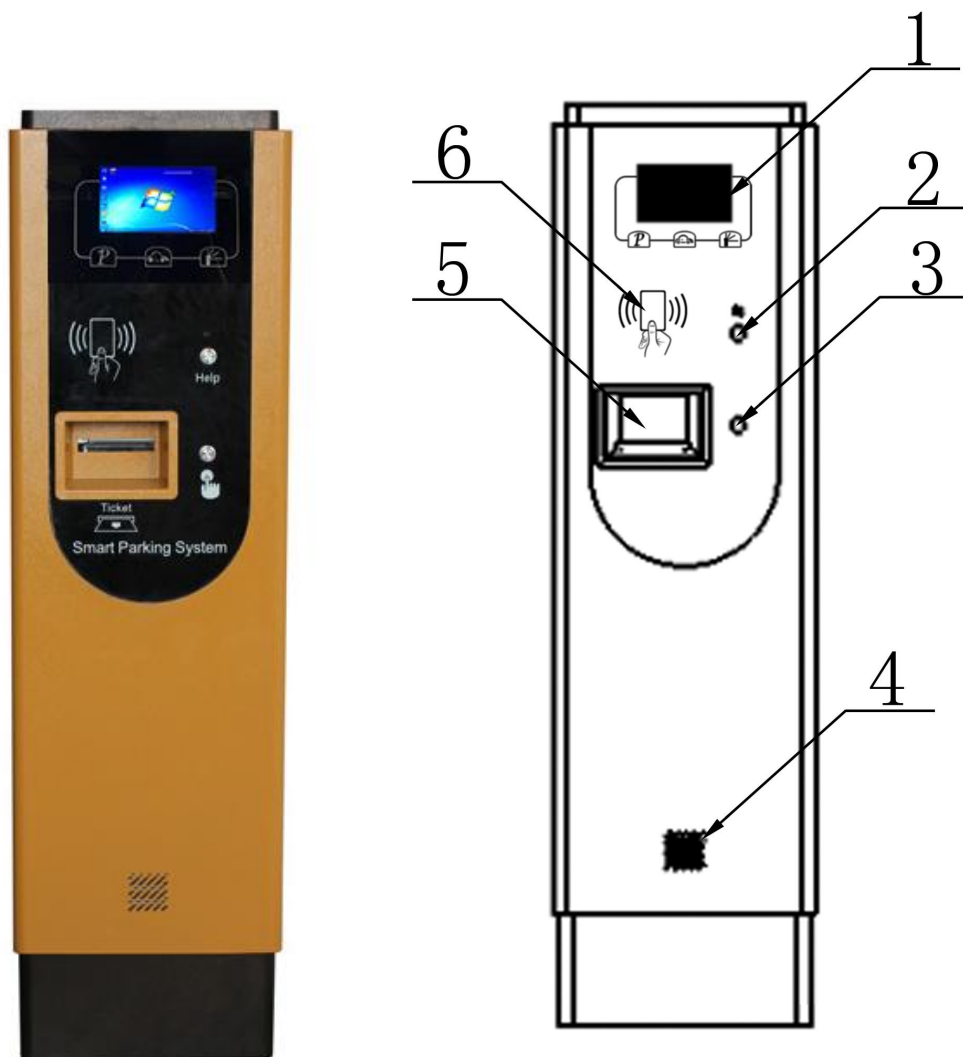


COMA GROUP (HONG KONG) CO., LIMITED

PRODUCT SPECIFICATION

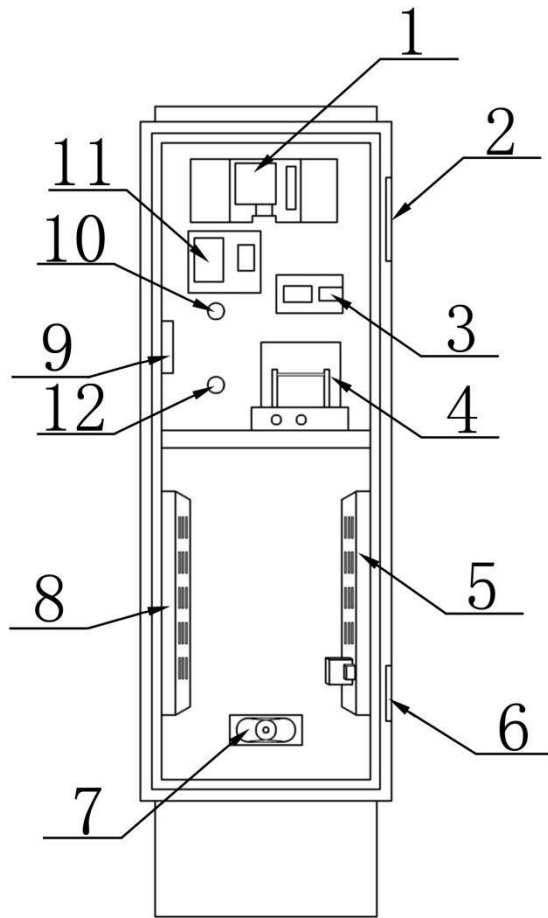
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Ticket Dispenser (Entrance)



NO.	ITEM
1	7"LCD screen
2	Intercom button
3	Ticket button
4	Speaker for voice prompt
5	Ticket slot
6	card reader

Internal structure:

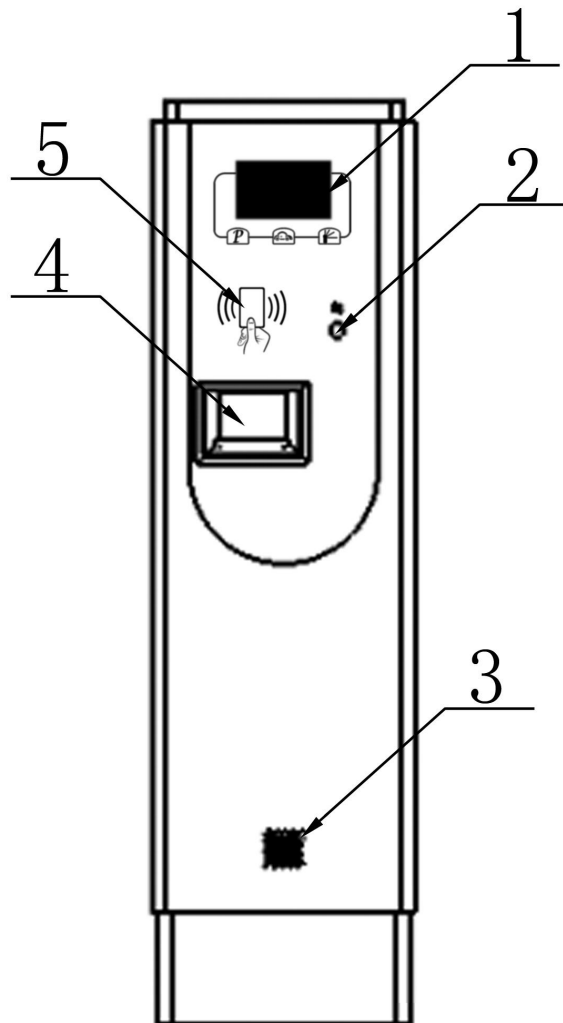


NO.	ITEM
1	7"LCD screen
2	LED light
3	Card reader
4	Ticket printer
5	Power box and loop detector
6	LED light
7	Speaker for voice prompt
8	Industrial controller
9	Speaker for intercom
10	Intercom button
11	Intercom board
12	Ticket button

Specification CMK802	
Power supply	AC 110/220V±10%, 50/60HZ, Max.1.5A
Environmental temperature:	-20℃- +50℃
Humidity:	10%~95%
Ticket type:	Barcode
Ticket size:	80mm (W)
Capacity:	2000-2500 pcs. (diameter150mm) per roll
Ticket Cutter:	high strength, free maintenance
Ticket dispensing time:	<1s

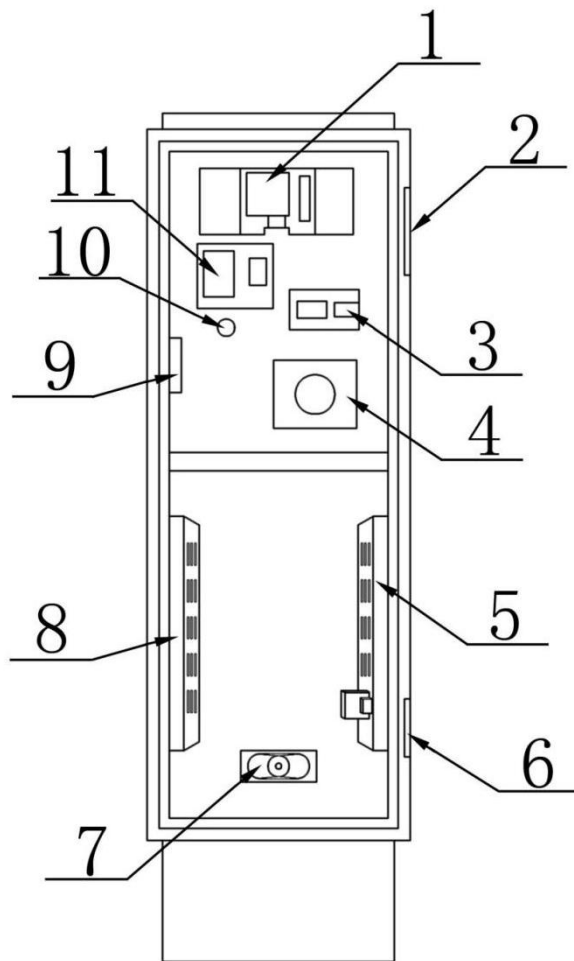
Card reader Interface:	Rs 232 interface
Card Reader type:	ID/IC card
Card reading and verifying time	<1s
Reading range:	0-8cm
LCD Display:	7 inch TFT resolution 800×480 Brightness: 400 cd/m ² Contrast: 500:1
Intelligent Control Unit:	J1900 4-cores, 2.0G
	Rs232×5 no.s
	Multi Relay output
	HDMI×1
	USB×4
	Audio output×1
Dimension (mm)	410*320*1470
Net weight: (KG)	45
Gross weight: (KG)	55

Ticket Scanner



NO.	ITEM
1	7"LCD screen
2	Intercom button
3	Speaker
4	Ticket scanner
5	Card reader

Internal structure:



NO.	ITEM
1	7"LCD screen
2	LED light
3	Card reader
4	Barcode ticket scanner
5	Power box and loop detector
6	LED light
7	Speaker for voice prompt
8	Industrial controller
9	Speaker for intercom
10	Intercom button
11	Intercom board

Specification CMK803	
Power supply	AC 110/220V±10%, 50/60HZ, Max.1.5A
Environmental temperature:	-20℃- +50℃
Humidity:	10%~95%
Ticket verifying time:	<2s
Card Reader type:	ID/IC card
Card reading and verifying time	<1s
Reading range:	0-8cm
LCD Display:	7 inch TFT resolution 480×800 Brightness: 400 cd/m ² Contrast: 500:1
Intelligent Control Unit:	J1900 4-cores, 2.0G
	Rs232×5 no.s
	Multi Relay output
	HDMI×1
	USB×4
	Audio output×1
Dimension (mm)	410*320*1470
Net weight: (KG)	45
Gross weight: (KG)	55

Automatic payment machine



APS (Automatic Pay Station) is an optional automatic payment terminal which is part of parking management system. It supports multi payment method saying bill, coin, bank card (optional), T & G reader (optional) and local transportation card (optional), reads either parking barcode ticket or proximity card or even parkers can input number plate on touchscreen. Parkers can get receipt from this APS. The APS is user friendly and easy-to-use for parkers, can effectively promote the vehicle circulation, achieve unmanned intelligent charge, reduce human cost and improve property management. It is especially suitable for large scale of parking lots.

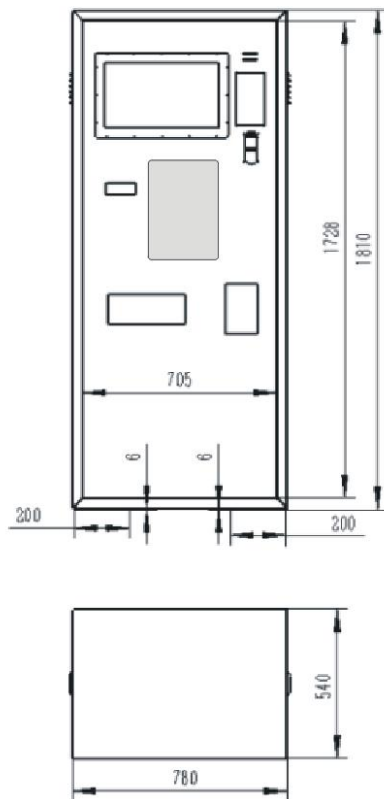
Features:

- **Unattended parking lot:** parker can make payment and print receipt by themselves.
- **Multi payment method:** support bill & coin, bank card reader reader (optional), T & G reader (optional) and local transportation card (optional)
- **Variety of Currency:** accept over 120 countries and regions bills and coins.
- **Multi Charging Mode:** support to read parking card,scan barcode ticket,input license plate number
- **Module design:** neat and elegant inner structure, come with intercom and UPS power supply will be more friendly.
- **Humanized design:** management software can receive notification if paper or change is running out, if cash box is almost full.
- **Expansibility:** can integrate into existing parking system with the C#SDK we provide.

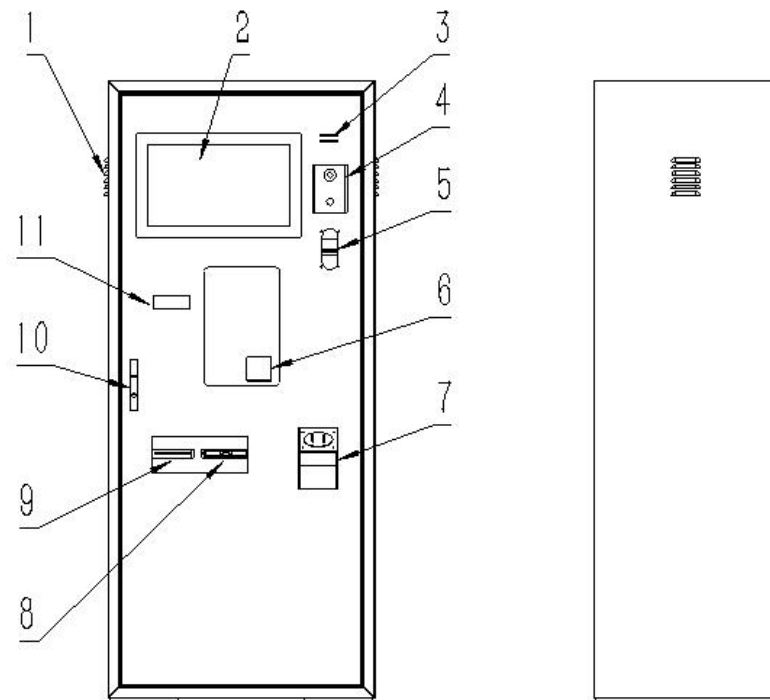
Model		CMZ-8001	
System	Processor	J1900 4-cores, 2.0G	
	Operating system	Windows 7/10	
Input/output	Receipt printing	USB interface; Thermal printing, auto-cut no-enough-paper alarm, Print span: 80 mm; Paper roll diameter: 150 mm	
	Barcode scanner	Honeywell brand, barcode scanning, laser net scanning (USB interface)	
	Audio output	1	
	Touch screen	18.5-inch LCD; Accurate location without drifting	
Interface	RS-232 serial interface	6	
	USB interface	4	
	VGA interface	1	
	HDMI	1	
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	
Function	SSD capacity	128 G	
	Display	Response time: 14 ms; Max. resolution: 1366 × 768, 32 Bit; Brightness: 1000cd/m ² Contrast: 1000:1;	
	Upload	The data can be uploaded to the central platform.	
	Bank note identification	Cashbox containable with notes of multiple currency value; Precise identification of the currency value	
	Bank note changes returning	1 to 2 cashboxes can be selected; Changes with up to 2 kinds of currency value can be returned; Self-checking function can prevent from returning overmuch notes and note jam caused by damp;	
	Coin receiving	Coins of multiple currency value receivable (optional)	
	Coin changes returning	Coins of multiple currency value returnable (optional)	
Safety			
	Safe and Coded lock	For password configuration, guaranteeing safe cash receiving and returning of notes and coins;	
	Visual intercom	optional	
General	Power supply	220V±10%, 50-60Hz	
	UPS	can provide power about 5minutes after power failure	

	Speaker	1 no.
	Consumption	≤ 250W
	Mechanical characteristics	In-hall structure; baking paniting body preventable against rust and corrosion Thick and solid material, not easy to cause deformation; Internal structure in which each module can be maintained easily and conveniently; Standard and ordered wiring
	Working environment	Environment temperature: -20 °C to +50 °C Relative humidity: 40 % to 80 % (uncompressed)
	Applied location	For indoor use (keeping away from water)
	Placement mode	Perpendicular to stable floor
	Communication mode	TCP/IP
	Switch	8 ports
Dimension (mm)		780*540*1810 (without wheel)
		780*540*1900 (with wheel)

Overall Dimension (mm)

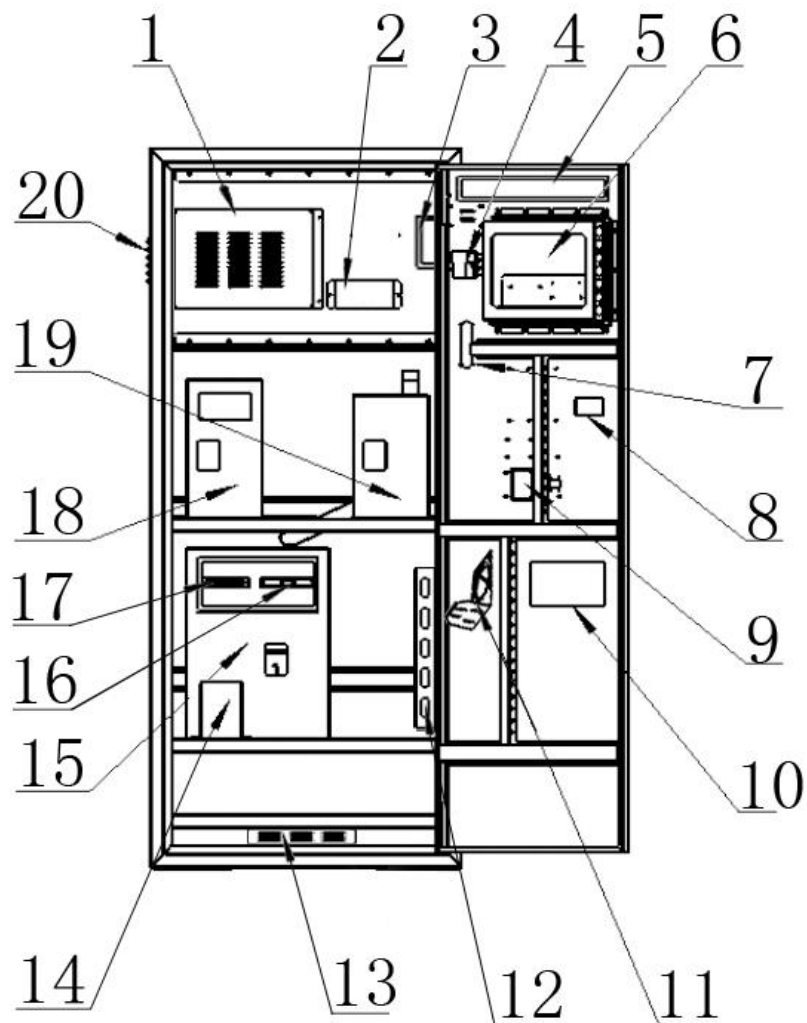


External Structure:



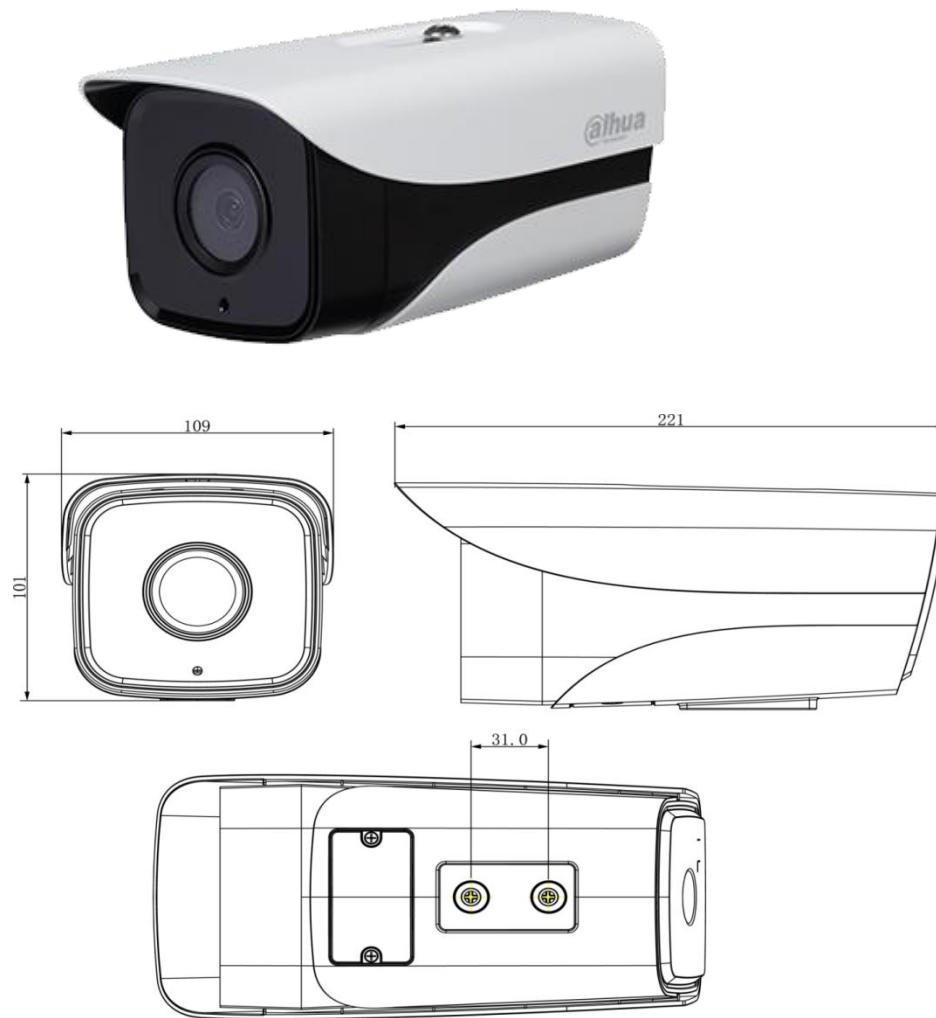
No.	Description
1	Fan ventilation
2	18.5" LCD display
3	Speaker
4	Audio/Visual intercom
5	Coin receiver slot
6	Card reader (Not applicable)
7	Ticket scanner
8	Bill change given slot
9	Receipt printer
10	Mechanical lock
11	Bill receiver slot

Internal Structure:



NO.	Description
1	Industrial controller
2	8 port switch
3	Fan
4	Audio/visual Intercom
5	LED light
6	LCD display
7	Coin receiver slot
8	Bill receiver slot
9	Card reader
10	Receipt& change given slot
11	Barcode ticket scanner
12	Power box
13	Dust-proof net
14	UPS
15	Coded lock
16	Bill change given module
17	Printer
18	Bill receiver
19	Coin receiver
20	Fan ventilation

ANPR camera (CAMERA CAPTURE SYSTEM)



Parameter Name	Parameter values
Appearance	Infrared camera
Image Sensor	1/2.8inch CMOS
Maximum resolution	200W
Number of infrared lamps	I4: 4 lamps; I6: 6 lamps
Electronic shutter speed	1s~1/100000s;It can be adjusted manually or automatically
Minimum illumination	0. 001Lux(color mode); Lux(black and white mode);44Lux (in frared light on)
Maximum infrared distance	I4: 120m; I6: 150m
Day and night conversion	IR-CUT Auto switch
Scanning method	Progressive scan
Noise reduction	3D DNR
Wide Dynamic	120dB
SNR	> 56dB

Gain control	Manual/Auto
White balance	Manual/Auto
BLC	Support, optional region
Strong light suppression	Support
Lens focal length	3.6mm/6mm/8mm/16mm/25mm
Lens Mount Type	M12
Lens aperture	F1.6/F1.6/F2.1/F2.1/F2.4
Aperture control	fixed
Lens type	Prime
Minimum focus distance	3.6mm:0.8m 6mm:0.9m
Field angle	3.6mm: Horizontal:86°; Vertical:47°; Diagonal: 102° 6mm: Horizontal: 52°; Vertical:30°; Diagonal: 60° 8mm: Horizontal:40°; Vertical:22.4°; Diagonal: 46° 16mm: Horizontal:20°; Vertical:11.3°; Diagonal: 22.8° 25mm: Horizontal:12.8°; Vertical:7.2°; Diagonal: 14.6°
Audio port	Support
Audio input	Channel 1, RCA audio input (-as Support);
Audio output	Channel 1, RCA audio output (-as Support);
Audio compression standard	G.711a;G.711Mu;G.726;AAC;MPEG2-Layer2;G.722.1;G.729;PCM (PCM not shown on the web)
Starlight	Support
Audio sample rate	8-64Kbps
H.265	Support
Video coding standard	H.265;H.264;H.264H;H.264B;MJPEG
Video frame rate	50Hz: Main code stream(1920×1080@25fps), auxiliary stream(704×576@25fps), third stream(1920×1080@14fps) 60Hz: Main code stream(1920×1080@30fps), auxiliary stream(704×480@30fps), third stream(1920×1080@9fps)
Default stream at default resolution	4096kbps (1080P)
Alarm interface	support
Alarm input	2-way (as-support)
Alarm output	2-way (as-support)
Alarm linkage	Support no SD card; SD card space is insufficient; SD card error (-AS support); network disconnection; IP conflict; motion detection; video occlusion; regional intrusion; Measurement; face detection; voltage detection
Image setting	Brightness; contrast; sharpness; saturation; gamma
OSD information overlay	Time; Way; location; picture
Image mirroring	Support

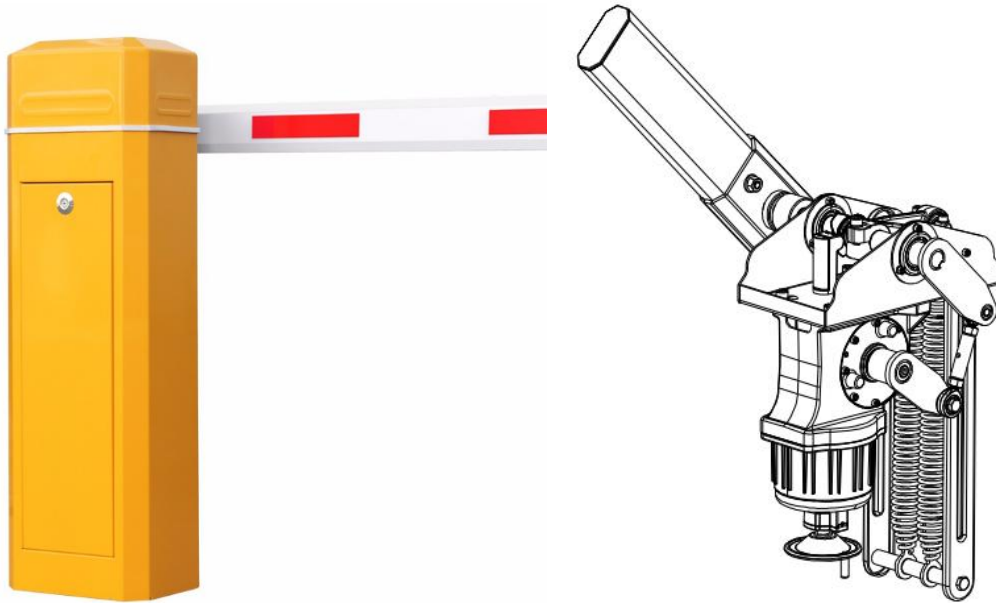
Image negative	Support
Heartbeat mechanism	Support
Video mode	Manual recording; video detection recording; timing recording; alarm recording Video recording priority from high to low is manual / external alarm / video detection / timing
SD card	Support
Storage function	Support Micro SD card storage, maximum capacity 128GB) (-AS support) NAS; FTP; LeCheng
Preview the maximum number of users	20 pcs
Restore default	Support one-click recovery default configuration
Browser	Support IE7;IE8;IE9;IE10;Chrome8+;Firefox3.5+;Safari5+browsers
User Management	Supports up to 20 users, multi-level user rights management
Safe mode	Authorized username and password; MAC address binding; HTTPS encryption; IEEE 802.1x; network access control
Fog	Support
intelligent	Support
Intelligent function	Support voltage detection, area intrusion, line intrusion, item legacy/disappearance, scene change, flaw detection, personnel gathering, fast moving, illegal parking, audio anomaly detection, face detection, and linkage with alarm; support multiple Trigger rule linkage action; support target filtering
Face Detection	Support
Privacy shelter	Up to 4 areas
Corridor mode	Support
Network Interface	1pcs ,10/100M Ethernet port
Network protocol	HTTP;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP;FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;SNMP; QoS; UPnP; NTP
Access standard	ONVIF;GB/T28181;CGI;PSIA
Power supply	DC12+POE (4238 model does not support POE)
Power consumption	Maximum power consumption 9.9W
Operating temperature	-30℃~+60℃
Working humidity	≤95%
Protection Grade	IP67
Housing material	Plastic + metal
Dimension	221mm×109mm×101mm
Weight	910g(Net weight); 1110g (Gross weight)
Installation method	Wall mounted; hoisted; flat mounted

Other	Support DC12V power supply reverse transmission, maximum current 167mA, voltage value DC12V(supported by 4233K-AS model)
Standard power supply	Optional
Standard lens	Standard

Feature:

1. With high performance 2 million megapixel 1 / 2.8 inch CMOS image sensor for low illumination and high image definition.
2. Can output 2 million ((1920 * 1080) @ 25fps
3. Support H.265 encoding, high compression ratio, ultra low bit stream
4. Maximum infrared monitoring distance is 120 meters / 150 meters
5. Support corridor mode, wide dynamic, 3D noise reduction, strong light suppression, backlight compensation, digital watermarking and suitable for different monitoring environments
6. Support ROI, SVC, SMART H.264 / H.265, flexible coding, suitable for different bandwidth and storage environment
7. Support voltage detection, area intrusion, line intrusion, item legacy/disappearance, scene change, flaw detection, personnel gathering, fast moving, illegal parking, audio anomaly detection, face detection, external alarm
8. Support alarm 2 in 2 out, audio 1 in 1 out, 128G SD card
9. Support DC12V / POE power supply mode, support DC12 power supply return, maximum current is 160 mA, convenient the engineering installation
10. Support IP67 protection rated.

Automatic barrier gate



Main Features

1. Manual release
2. Machine core with compression spring, effectively avoids the accidents caused by spring breaking
3. Die-casting aluminum alloy motor, precision and good at thermal radiating
4. Motor cooling fan, solving the problem of heat-protection
5. Double safety limit switches (photo electricity limit switch/motor memory sensor)
6. Reversing on obstacle
7. Auto-closing
8. Support the INFRARED PHOTOCCELL for anti-bumping function (optional)
9. Support the external and internal VEHICLE LOOP DETECTOR (optional)
10. Traffic light interface
11. Wire control (switch signal)/ Remote control (433.92MHZ)
12. RS485 communication module (optional)

PRODUCT SPECIFICATION FOR BARRIER GATE CMD-802	
Model NO.	CMD802
Power Supply	220VAC 50Hz/110VAC 60Hz
Rated Power	120W

Motor Power	90WAC/80WDC
Length of boom	1.5m/3m/4m/5m/6m
Max. Boom Length	6m
Time for Open/Close	3s (for 3~4m), 6s (for 5~6m)
Environmental Temperature	-40℃~+75℃
Protection Level	IP55
Material of Barrier	Aluminium Alloy
Dimension	350*265*1050mm
Net Weight	About 65KG

Toll computer server



Recommended configuration:

RAM: 8GB (64 bit)

Hard disk capacity: 1T

CPU: Intel I5

Display resolution: 1920 x 1080

Loop Detector



Specification	
Model	CMJ-011
Working voltage:	AC 220V/110V±10% 50HZ/60HZ
Rated power	4.5W
Frequency:	20~170KHZ
Response time:	10ms
Sensitivity:	three level sensitivity adjustable by manual (Low/medium/high)
Environment Compensation:	Automatic Drift Compensation technology avoids wrong detection caused by environmental temperature change.
Ground induction coil:	80uH——300uH
Storage temperature:	-40℃-85℃
Working temperature:	-20℃-65℃
Humidity:	10%~95%
Dimension	78(L)×40(W)×108(H)mm (includes base)

Card issuer



Parameter:	
Frequency	125 KHZ
Induction distance	Buttoned TG: 5 cm;Card TG: 10 cm
Working voltage	DC 12 v
Working current	30 mA
Communication methods	RS232
Communication baud rate	9600 BPS
Card reading time	0.1 S, about 100 ms delay time
Induction card types	encapsulation chip 4100410 2, all sorts of modelling of TK4100 read-only card
Working temperature	-20℃ --- +65℃
Storage temperature	-25℃ --- +85℃
Dimension:	120×100×29mm

**Switch Parameter:**

Parameter:	
Standard	IEEE 802.3, IEEE 802.3u.IEEE 802.3x
Network interface	8 adaptive RJ45 ports with 10/100M(Auto MDI/MDIX)
Working mode	store and forward
Forward rate	10Mbps: 14880pps 100Mbps: 148810pps
Network media	10 base-T. 3 class UTP/STP or above 100 base-TX: UTP/STP of class 5 or above
Working temperature	0℃ --- +40℃
Working humidity	10%~90% RH does not condensate
Dimension:	140*65*28 (mm)