

## **Product Name: license plate recognition camera for highway traffic use**

### **Product model: CPRC01**

With the adoption of the low-power high-performance ARM processor and low-light-level CMOS sensor, HD check point license plate recognition camera is the smart license plate identification equipment by integrating the license plate identification function with the camera and saving functions. It can automatically monitor, capture, identify, record, and save incoming and outgoing vehicles 24/7.



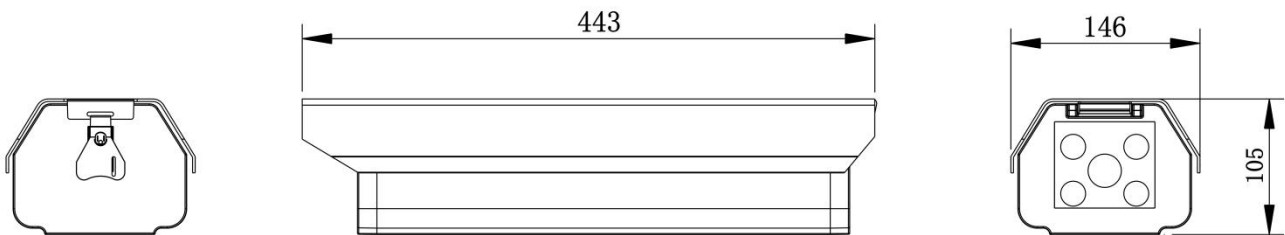
This embedded smart high-definition license plate identification product, which is specially designed for the transportation industry, is an ideal option for the parking management system, and can be widely applied to entrances and exits of various parking lots, traffic block ports, capturing vehicles on roads, entrances and exits of highways and other scenarios.

### **Functional characteristics**

- ✧ All-day vehicle detection rate is higher than 99.9%;
- ✧ Video compression technology H.264 is used for video coding, and capture frames are JPEG encoded;
- ✧ Support primary and secondary modes, making the product perfectly adapts to various special environments;
- ✧ Support offline charging to meet the needs of low-cost parking lot construction;
- ✧ Support PC local recording;
- ✧ Support TF card storage;
- ✧ Supports three detection methods: coil detection, video detection, coil detection + video detection;
- ✧ Support OSD information overlay function, support video/picture overlay watermark;
- ✧ Support whitelist import and export function, you can do fuzzy matching on whitelist;
- ✧ Support remote client control functions, parameter configuration, video preview, remote upgrade;
- ✧ Support configuration file import backup;
- ✧ Support manual key reset, one key to restore initial IP address, user name, password and restore default factory configuration;

- ✧ Surge protection rating: 6KV;
- ✧ Support voice intercom, making the unattended operation of the product easy. (Optional);

## Dimensions



## Technical parameter

Type	Project	Parameter
Intelligent Recognition	Vehicle detection rate	≥99.9%
	Adapt to the speed range	0~150Km/h
	Recognition angle	≤45°
Video input	Sensor type	CMOS
	Lens and focal length	Zoom 2.8 ~ 12mm
	Exposure time	1/100 ~ 1/10000s
Video output	Image size	1080P, 720P, 4CIF, CIF
	Compression standard	H.264/JPEG
	Compressed output bit rate	384Kbps to 4Mbps
	Maximum frame rate	Main stream 25FPS, sub-stream 25FPS
	Image setting	Adjustable shutter, gain, brightness, etc.
Business	Capture trigger type	Video, coil, video + coil
	Built-in fill light	Built-in infrared LED fill light with adjustable brightness

functions	Output information	Vehicle big picture, vehicle small picture
	OSD information overlay	Support, define time, location, etc.
	One-button reset	Short press 2 seconds to restore the default IP, username and password; Press and hold for 10 seconds to restore the default IP, username and password, factory configuration
	Whitelist function	Support whitelist importing and exporting functions
	Primary and secondary modes	Support primary and secondary modes
	Offline charging	Support offline charging
	Whitelist function	Support whitelist importing and exporting functions
	Voice intercom (optional)	Support the two-way voice intercom function
External interface	The internet	1 RJ45 100M adaptive network interface
	Communication	2 RS485 interfaces
	Power supply	1 AC90~ 265V voltage interface
	Input	2-way switch/level, 2-way switch input
	Output	2-way switch output interface (relay)
	USB	1 standard A type USB interface
	Storage	1 TF card interface
	Voice (optional)	Support one voice button input interface, one voice input interface and one voice output interface (support 4-ohm 5-watt speaker output)
Working environment	Total power	Turn off the light <4W, turn on the light <5W
	Operating temperature	-30 to +75 °C
	Working humidity	<95% (no condensation)
	Protection level	IP65, IK10
Appearance	Size (mm)	443×146×105
	Weight (Kg)	1.8