

SC6121PZ

Plate License Recognition IP Camera



Description

Sysvideo SC6121PZ is one professional Automatic Number Plate Recognition (ANPR), License Plate Recognition (LPR) IP Camera, it use Deep Learning AI(Artificial Intelligence) technology to continuously improve the recognition accuracy, support

Russia, Turkey, UAE, Qatar, Saudi Arabia, France, Indonesia, Singapore, India, Brazil, etc..countries (different software version) license plate capturing, recognition. Support white list control, license plate number OSD, provide SDK for software system integration, support RS485, I/O control. Support video auto trigger, coil trigger, and mixed mode to capture the plate number.

It use 1/2.8" Sony optical WDR Machine Vision CMOS sensor, up to multiple exposure wide dynamic range(WDR) >120db, starlight level super low light, highlight Compensation (HLC). It built-in 4 x LED white light, support H.265/H.264/MJPEG encoding.

It is one good solution for parking control system, traffic management, security system.,etc applications.

Features

AI (Artificial Intelligence) Technology

Sysvideo LPR camera built-in Deep Learning algorithm which are most popular on artificial intelligence industry, it has the ability to learn from itself, and the accuracy is high much than traditional recognition software, and it is easier to extend different countries plate number.

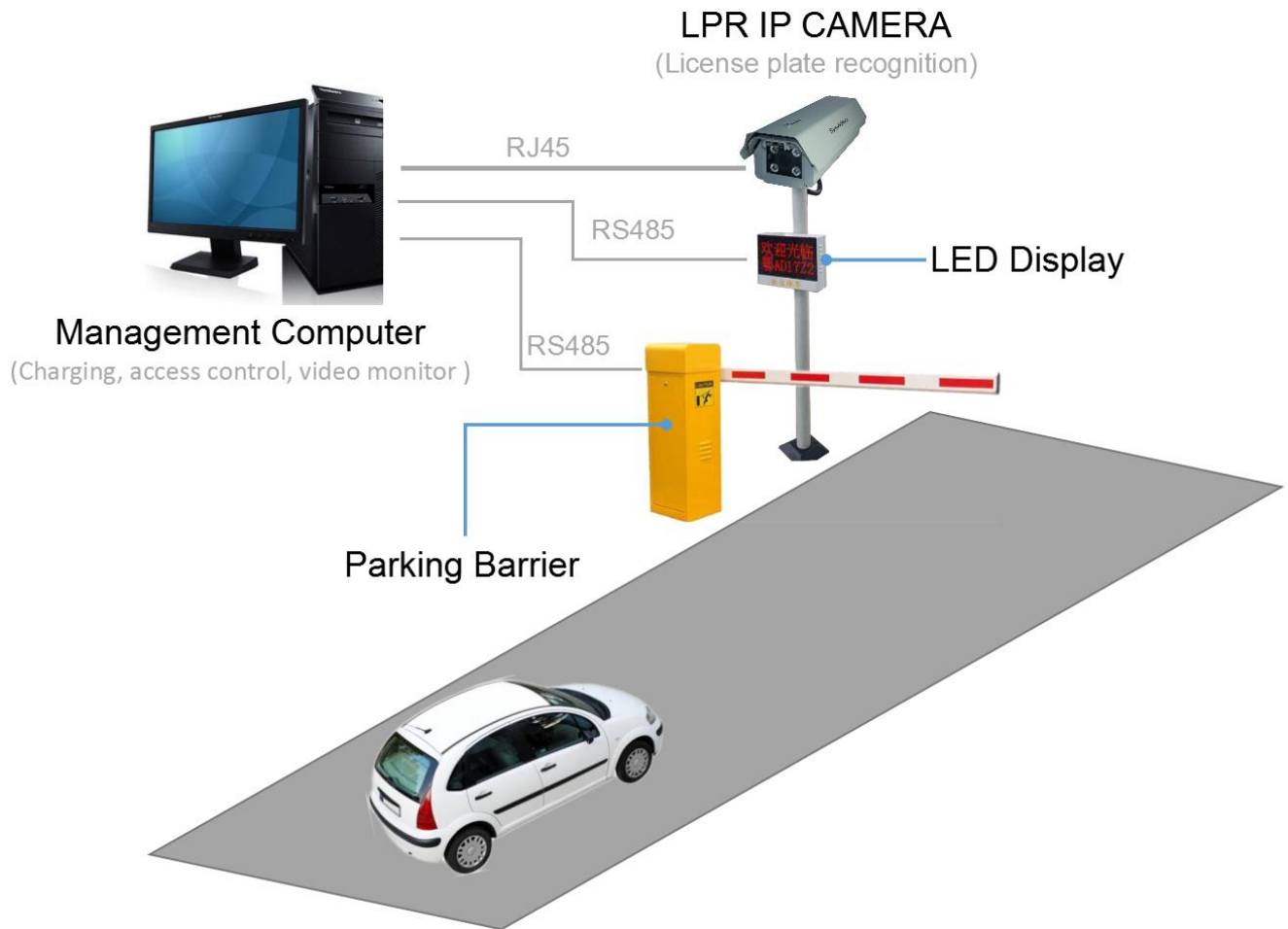
Wide Dynamic Range (WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Highlight Compensation (HLC)

HLC can reduce the strong light from the vehicle lamp, it still can get clear plate number at night.

How Does It Works



Specifications

Model	SC6121PZ	
Hardware		
Processor	Hi3516A High performance SoC Image processor + FPGA Dual ISP	
Sensor	1/2.8" Progressive Scan Sony Machine Vision CMOS Sensor	
Effective Pixels	2 Megapixels, 1920×1080@25/30fps	
Lens	Default: 2.8-12mm motorized zoom Optional: 4/6/8/12/16/25mm/2.8-12mm	
License Plate Recognition		
Recognition Algorithm	Deep Learning artificial intelligence algorithm, the accuracy is high much than traditional recognition algorithm.	
Recognition Rate	>98% (It depend on the field condition, the camera installation position, vehicle speed, etc, these factors will affect the recognition rate.)	
Support Countries	Russia, Turkey, Indonesia, Singapore,UAE, Qatar, Saudi Arabia, France, India, Brazil, China,. etc (every country use different version, more countries are being supported)	
Trigger Mode	Virtual coil, Video detection	
License Plate Capture	Capture Mode:whole image or only license plate Storage: local SD card / FTP / HTTP / private protocol server	
White List Control	Support white list import, search, support similar, same license plate match control	
Recognition Time	≦ 200ms	
Vehicle Speed	<40km/h	
Control Parameters	exposure time , gain, trigger interval, output interval, single/double row,rotate	
License Plate Enhance	Smart	
Define recognition area	support	
LED Light	4 x white light LED, support manual / auto control	
The third-party software support	SDK(Software Development Kit) for integration, RS485	
Camera		
Video Encoding	H.265 Main Profile,H.264,MJPEG	
Resolution	Main stream	50Hz: 25fps (1920×1080,1280×720) 60Hz: 30fps (1920×1080,1280×720)
	Sub stream	720*576, 1-25(30)fps; 640*480, 1-25(30)fps 320*240, 1-25(30)fps
Video bit rate	30Kbps~16Mbps, support CBR/VBR	
Shutter	1/2~1/8000s	
Low Light	Color 0.01Lux @F1.2(ICR); B/W 0.001Lux @F1.2 (ICR)	
S/N Ratio	≥50db(AGC OFF)	
WDR	≥120db	
Audio Encoding	G.711A, G.711U, G.726	
Data storage	Video, picture file	
Storage System	Manual, auto(loop, schedule, alarm, motion detection)	
Alarm data transmission	FTP, E-mail, HTTP, CMS software	

Professional I SC6121PZ

Support Protocol	TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, SMTP, UPNP, IPv4/IPv6
Third Party Protocol	Support ONVIF/GB28181, HTTP API (CGI)
IE Browser	Support IE6.0 and above, max support 16 users access
Interfaces	
Audio Input/ Output	1 Audio Input/1 Audio Output
Video output	1 analog video output
Storage Interface	Support Micro SD(TF) card, support max 64G
Network	1 RJ45 10M/100M Ethernet
I/O Input/output	2x I/O input/2x I/O output(AC120V 1A/DC24V 1A), 1x RS485,1x RS232
General	
Working Temperature/humidity	-40°C - +55°C/0% - 90%
Waterproof Protection	IP66
Power Supply	DC12V/2A
Power consumption	15W(MAX)
Dimension	459mm × 150mm × 117mm
Weight	2.2kg

Dimension

