

System Overview

The ANPR camera adopts a high-performance 1/2.8 type CMOS image sensor and processor for in-depth extraction and analysis of vehicle information 24/7. In addition, it embraces a deep learning algorithm for accurate recognition of vehicles without a license plate, vehicle model, vehicle logo, vehicle series, vehicle color, and more. The camera is extensively applied to vehicle detection and recognition in scenarios such as parking lots, community roads, and more. The access ANPR kit is extensively applied to vehicle detection and recognition in scenarios such as parking lots, community roads, and more.

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Functions:

High-quality image

Industry-specific CMOS image sensor with high sensitivity, high SNR and excellent WDR provides lifelike images 24/7.

Impressive performance

A high-performance CPU processor helps extract and analyze information about motor and non-motor vehicles in real-time, providing vehicle feature details for business decision-making.

High-level protection

Integrated design with low power consumption, and IP67 protection grade, suitable for various harsh environments.

Easy installation

Built-in LED illuminator and motorized varifocal lens, providing ease of installation and commissioning.

Features

- ❑ Adopts high-performance CMOS image sensor and processor for in-depth extraction and analysis of vehicle information 24/7
- ❑ Inbuilt IR 60 to 70Mtr with Edge-based AI analytics support
- ❑ Embraces deep learning algorithm for accurate recognition of vehicles without a license plate, vehicle model, vehicle logo, vehicle series, vehicle color, and more.
- ❑ Various signal, data, and communication interfaces; supports connecting to extra devices, such as barrier
- ❑ Built-in LED illuminator for simplified installation
- ❑ Motorized varifocal lens, easy for installation and commissioning
- ❑ Integrated design with low power consumption, and IP67 protection grade

Features: >

- 4MP (2592 × 1520) @30fps
- Support H265+/H264+/H265/H264/MJPEG
- Motorized lens
- Support three streams IP67
- 3D DNR, true WDR, HLC, BLC and ROI coding Built-in micro SD card slot, up to 256GB DC24V/AC24V/PoE power supply
- Support mobile surveillance by smart phones with iOS and Android OS Support license plate detection and recognition





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ANPR CAMERA - SWI -4MP-ANPR

Model		SWI-4MP-ANPR	
Camera			
Image Sensor		1 / 1.8" CMOS	
Image Size		2592 × 1520	
Electronic Shutter		Manual or auto; manual: 1 / 1 s ~ 1 / 100000s	
Iris Type		DC Iris	
Min. Illumination		0 lux with LED ON	
Lens		2.8~12mm@F1.3, motorized	8~32mm@F1.6, motorized
Field of View		Horizontal:100.4 °~49° ; Vertical: 57 °~ 29°; Diagonal: 117.5 °~56°	Horizontal: 41 °~15.5°; Vertical: 23 °~ 9.5°; Diagonal: 46.5 °~18°
Lens Mount		Integrated	
Recommended Distance		3~8m	7~30m
Wide Dynamic Range		120dB	
BLC		Yes	
HLC		Yes	
Defog		Yes	
Digital NR		3D DNR	
S/N Ratio		≥ 50dB	
Angle Adjustment		Pan: 0°~360°; Tilt:0°~90°; Rotation: 0°~360°	
Image			
Video Compression		Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG	
H.264 Compression Standard		Baseline Profile/Main Profile/High Profile	
Resolution		4MP (2592 ×1520), 2K (2560 ×1440), 3MP(2304 ×1296),1080P(1920 ×1080), 720P (1280 ×720), D1, CIF	
Main Stream		4MP/2K/3MP/1080P(60Hz :1 ~ 30fps; 50Hz : 1 ~ 25fps) HFR Mode: 1080P/720P (60Hz: 1~60fps; 50Hz: 1~50fps)	
Sub Stream		720P/D1/CIF (60Hz :1 ~ 30fps; 50Hz : 1 ~ 25fps)	
Third Stream		D1/CIF (60Hz :1 ~ 30fps; 50Hz : 1 ~ 25fps)	
Bit Rate		64 Kbps ~ 8 Mbps	
Bit Rate Type		VBR / CBR	
Audio Compression		G711A / U	
Image Settings		ROI, Saturation, Brightness, Hue, Contrast,Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR,etc. adjustable through client software or web browser	
ROI		Each ROI to be configured separately	
Interfaces			
Network		RJ 45 10M/100M self-adaptive Ethernet port	
Video Output		CVBS output (BNC× 1)	
Audio		1CH audio input; 1CH audio output	
Storage		Built-in micro SD card slot; up to 256GB	
Reset		Yes	
Alarm		2CH alarm input; 2CH alarm output	
RS 485		Yes	
RS 232		Yes	
Wiegand		Yes (26bit)	
Functions			
Remote Monitoring		Web Browser/NVMS2.0/NVR/mobile APP	
Web Browser		IE11(plugin-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+	
Online Connection		Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission	
Network Protocol		UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, HTTP POST,802.1x, UPnP, HTTPs, QoS	
Interface Protocol		ONVIF	



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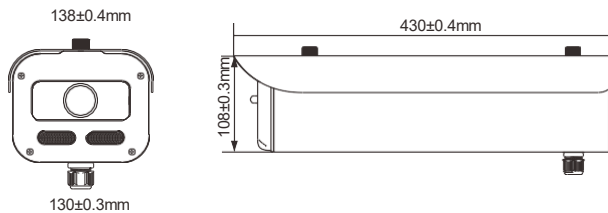


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ANPR CAMERA - SWI -4MP-ANPR

General Function	Watermark, video mask, heartbeat, corridor mode	
PoE	Yes , IEEE802.3bt	
LED View Distance	50~70m	70~100m
Protection Grade	IP67	
LPR		
Snapshot	Original image (4MP resolution) and license plate image	
Vehicle Plate Database	10,000	
License Plate Detection & Recognition	Capture of vehicles with license plates and vehicles without license plate, Support plate exposure, travel direction recognition, plate character fault tolerance, plate comparison, snapshot time display Vehicle feature extraction: including vehicle color, plate color, vehicle type, vehicle brand/model, production year, etc.	
Capture Speed Range	0~120km/h	
Others		
Power Supply	DC24V/AC24V/PoE	
Power Consumption	< 21.5W	
Operating Environment	- 30 °C ~ 60 °C (-22°F~140°F); Humidity: less than 95 % (non-condensing)	
Storage Environment	- 30 °C ~ 65 °C (-22°F~149°F); Humidity: less than 95 % (non-condensing)	
Dimensions (mm)	430 × 138 × 108	
Weight (net)	Approx. 2.5KG	
Installation	Ceiling mounting; Wall mounting	
Certificate	CE, FCC	
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)	

DIMENSIONS



AVAILABLE ACCESSORIES



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