

MODEL: IDS-ANPROV-4MP

4MP HD License Plate Recognition Bullet Network Camera with ANPR Engine

PRODUCT OVERVIEW

IDS-ANPROV-4MP



License Plate Recognition

ANPR engine detects and recognizes license plates in real time -- supports vehicle database of up to 10,000 plates.



Smart AI Detection

On-board AI extracts vehicle color, plate color, vehicle type, brand/model, and more.



Speed Detection

Capture speed range: 0-120 km/h for entrance, exit, and road monitoring.



4MP CMOS Sensor

1/1.8" CMOS with 2688x1520 resolution @ 30fps and 120 dB true WDR.



IP67 Rated

Weatherproof housing for reliable outdoor operation in all conditions.



DC12V/AC24V/PoE

Flexible power supply with IEEE802.3af PoE for single-cable installation.

LICENSE PLATE RECOGNITION SUITE

ANPR ENGINE . UP TO 99% ACCURACY



Plate Capture

>=99% capture rate under recommended installation & lighting conditions



LPR Accuracy

Entrance & Exit: >=99%; Road: >=98% accuracy rate



Speed Range

0~120 km/h vehicle speed detection with plate capture



Vehicle Recognition

Color, plate color, type, brand & model extraction



Barrier Control

1-ch relay output for opening/closing/suspending barrier gates



Screen Display

RS485 interface to display captured license plates on external screen

KEY FEATURES

- ✓ 4MP resolution (2688x1520) @ 30fps with H.265+/H.265/H.264+/H.264/MJPEG compression
- ✓ 1/1.8" progressive scan CMOS sensor with 120 dB true WDR
- ✓ Motorized 8~32 mm @ F1.6 varifocal lens with DC iris
- ✓ License plate detection and recognition with ANPR engine
- ✓ Vehicle feature extraction: color, plate color, type, brand & model
- ✓ Capture speed range: 0-120 km/h for entrance, exit and road applications
- ✓ Vehicle plate database supporting up to 10,000 plates
- ✓ 1-ch relay output for barrier gate control (open/close/suspend)
- ✓ RS485 interface for connecting external license plate display screen
- ✓ Wiegand 26-bit interface for access control integration
- ✓ ICR auto-switch for true day/night operation
- ✓ 3D DNR, HLC, BLC, Defog, AWB, AGC and ROI encoding
- ✓ Built-in micro SD card slot, up to 256 GB local storage
- ✓ DC12V/AC24V/PoE (IEEE802.3af) with IP67 weatherproof housing
- ✓ IR distance 70~100 m with smart IR for low-light plate capture

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OUR OFFICE

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TECHNICAL SPECIFICATIONS 1 / 2

Model		IDS-ANPROV-4MP — 4MP HD License Plate Recognition Bullet Network Camera
CAMERA		
Image Sensor	1/1.8" progressive scan CMOS	
Image Size	2688 x 1520 (4MP)	
Electronic Shutter	Manual or auto; manual: 1/1s ~ 1/100000s	
Iris Type	DC Iris	
Min. Illumination	0.001 lux @ F1.6, AGC ON; 0 lux with IR	
Lens	8~32 mm @ F1.6, motorized varifocal	
Field of View	Horizontal: 42° ~ 16°; Vertical: 24° ~ 9°; Diagonal: 49° ~ 18°	
Recommended ANPR Distance	16~48 m	
Wide Dynamic Range	120 dB	
BLC / HLC / Defog	Yes	
Digital NR	3D DNR	
S/N Ratio	≥50 dB	
LICENSE PLATE DETECTION		
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, etc.	
Snapshot	Original image (4 MP resolution) and license plate image	
Vehicle Plate Database	Up to 10,000 plates	
Vehicle feature extraction	Including vehicle color, plate color, vehicle type, vehicle brand/model, etc.	
Capture Speed Range	0~120km/h	
Entrance and Exit Barrier Gate Control Mode	Camera or platform control	
Relay Output	1-ch relay output, supporting opening/closing/suspending of a barrier gate	
Screen Display	Support connecting a screen through RS485 interface to display captured license plates	
Plate Capture Capture Rate	In the recommended installation and lighting condition, the vehicle capture rate: ≥ 99%	
LPR Accuracy Rate	Entrance & Exit: ≥ 99%; Road: ≥ 98% (under recommended installation and lighting condition)	
Capture Rate	≥99% (entrance & exit); ≥98% (road)	
LPR Accuracy	≥99% (entrance & exit); ≥98% (road)	

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TECHNICAL SPECIFICATIONS 2 / 2

VIDEO	
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Main Stream	4MP (2688x1520) @ 30fps; 2K (2560x1440); 3MP (2304x1296); 1080P; 720P; D1; CIF
HFR Mode	1080P @ 60fps (NTSC) / 50fps (PAL)
Sub Stream	720P / D1 / CIF @ 30fps
Third Stream	D1 / CIF @ 30fps
Bit Rate	64 Kbps ~ 8 Mbps (VBR / CBR)
Audio Compression	G.711 A/U
Image Settings	ROI, saturation, brightness, hue, contrast, WDR, sharpness, flip, NR
INTERFACES	
Network	RJ45 10M/100M self-adaptive Ethernet port
Video Output	CVBS output (BNC x 1)
Audio	1-ch audio input; 1-ch audio output
Storage	Built-in micro SD card slot; up to 256 GB
Alarm	1-ch alarm input; 1-ch alarm output
RS485	Yes
Wiegand	Yes (26-bit)
POWER	
Power Supply	DC12V / AC24V / PoE (IEEE802.3af)
Power Consumption	DC12V: <12 W; AC24V: <10 W; PoE: <10 W
GENERAL	
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
IR Distance	70~100 m (smart IR)
Protection Grade	IP67
Dimensions (mm)	278.3 x 100.2 x 88.7
Weight (net)	Approx. 1.176 kg
Operating Environment	-30°C ~ 60°C; Humidity: <95% (non-condensing)
Storage Environment	-30°C ~ 65°C; Humidity: <95% (non-condensing)
Certification	CE, FCC
Environmental	EU RoHS, WEEE (2012/19/EU), 94/62/EC, REACH (EC 1907/2006)

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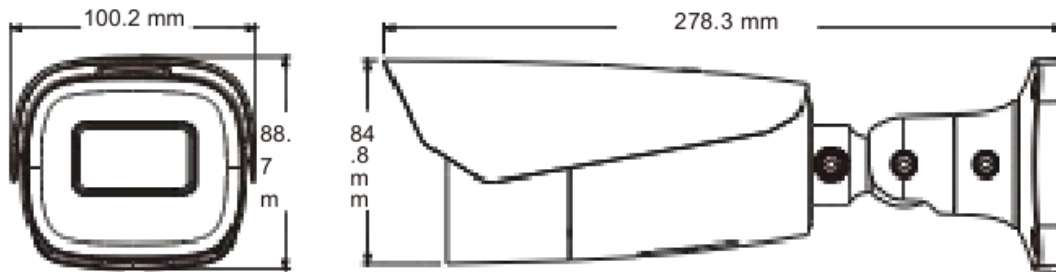
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DIMENSIONS

DIMENSIONS



Dimensions: 278.3 x 100.2 x 88.7 mm (10.96 x 3.95 x 3.49 in). Weight: approx. 1.176 kg. All specifications subject to change without notice.

WHY IDS CCTV



Reliable Security

IP67-rated housing, 4000 V lightning protection and dependable 24/7 operation -- purpose-built for entrance and exit gate environments.



Precision ANPR

On-board ANPR engine delivers >=99% capture and recognition accuracy for entrance and exit lanes with vehicle database management.



All-Weather Performance

120 dB true WDR, smart IR up to 100 m, and -30°C ~ 60°C operating range ensure round-the-clock plate capture in any condition.

Need a quote or a demo unit?

Our team responds within one business day.

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