

MODEL: IDS-IPAIB-4MP

4MP VCA AI Human & Vehicle Detection IR PoE Bullet IP Camera

PRODUCT OVERVIEW



4MP - 2K HD

2560 × 1440 @ 30 fps, 1/3"
CMOS sensor



AI Smart Detection

Human & Vehicle, Line
Crossing, Area Entry / Leaving /
Intrusion



IR Night Vision

2× Array IR LEDs, 20–30 m
distance



PoE / 12 V DC

IEEE 802.3af, low power < 8 W



IP67 Rated

Weatherproof housing, 4000 V
lightning protection



Built-in Mic

Internal microphone, reset
button

SMART DETECTION SUITE

AI ENGINE - UP TO 16 TARGETS SIMULTANEOUSLY



Target Detection

Human, Vehicle, Non-
motor, Pet



Human & Vehicle

2–20 m range



Line Crossing

Up to 4 tripwires



Area Leaving

4 perimeter zones



Area Intrusion

4 perimeter zones



Area Entry

4 perimeter zones

KEY FEATURES

- ✓ 1/3" 4MP SmartSens SC4336P CMOS sensor with 2560 × 1440P resolution
- ✓ Human & Vehicle Detection, Line Crossing, Area Entry / Leaving & Intrusion Detection
- ✓ Low illumination 0.01 Lux
- ✓ Day/Night (ICR), AWB/MWB, 2D/3D-DNR
- ✓ Motion Detection, Privacy Mask, Mirror
- ✓ RTSP and ONVIF 23.12 compatible (Profile S, G, T, M)
- ✓ H.265 / H.264 Dual-stream Media Server
- ✓ Easy-to-use P2P Cloud Service
- ✓ Multi web browser, PC Client, Mobile APP, Remote access
- ✓ RJ45 100 Mbps Network Port, IEEE 802.3af PoE
- ✓ Lightning Protection 4 000 V
- ✓ Strong Water-proof Housing, IP67
- ✓ 2× Array IR LEDs, IR Distance 20–30 m
- ✓ 2.8 mm / 3.6 mm Fixed Lens Optional, default 2.8 mm
- ✓ Built-in microphone with reset button

GET IN TOUCH

☎ (954) 903-0007
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OUR OFFICE

📍 2850 Stirling Road SUITE G
Hollywood, FL 33020

TECHNICAL SPECIFICATIONS 1 / 2

Model	IDS-IPAIB-4MP — 4MP VCA AI Human & Vehicle Detection IR PoE Bullet IP Camera	
CAMERA		
Image Sensor	1/3" 4MP SmartSens SC4336P CMOS	
SoC Chip	Sigmastar SSC377	
Effective Pixels	2560(H) × 1440(V)	
Exposure Shutter	AUTO / Manual: 1/10s ~ 1/8000s, max shutter speed adjustable	
Day / Night	Auto (Active / Passive / Schedule) / Day / Night, switch threshold, sensitivity, anti-flicker (Auto / 50 Hz / 60 Hz)	
Image Adjust	Brightness, Saturation, Sharpness, Contrast, Denoise (0–100%) adjustable	
White Balance	AWB / MWB	
WDR	No	
DNR	2D / 3D DNR	
ENCODE		
Video Standard	H.264 / H.265	
Video Resolution	Main stream: 30fps@4MP (2560×1440) (default 25fps) / 3MP (2304×1296) / 1080P Sub stream: 30fps@QVGA (640×360) (default 25fps) / CIF (352×288)	
Video Bitrates	Main stream: 64 kbps – 8 Mbps Sub stream: 64 kbps – 2048 kbps VBR / CBR, quality (1–9), GOP (1–128)	
Image Rotation	No	
Border Crop	X crop, Y crop	
Image Mirror	Horizontal / vertical / horizontal & vertical adjustable	
OSD Overlay	Font size (1–4), position, time, title, AM/PM, color, user OSD, alarm OSD	
Privacy Mask	4 areas	
Region of Interest	ROI: each stream supports 8 areas	
Audio Standard	G.711-u / G.711-a / AAC / PCM, AEC	
Built-in Mic	Yes	

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TECHNICAL SPECIFICATIONS 2 / 2

LED & DISTANCE	
LEDs	2× Array IR LEDs
IR Distance	20–30 m
LENS	
Focal Length	2.8 mm / 3.6 mm Fixed Lens Optional, default 2.8 mm
SMART DETECTION	
Motion Detection	Yes
Human / Vehicle Detection	Yes, 2–20 m range
Line Crossing Detection	Yes, 4 lines
Perimeter Protection	Yes, 4 areas
Face Detection	No
Target Detection Type	Human Shape, Vehicle, Non-motor Vehicle, Pet
Trigger Action Linkage	Snapshot, Record, Relay optional, Email, FTP
Simultaneous Detection	Maximum 16 targets simultaneous detection
Digital IO Alarm	1 pair Alarm-in / Alarm-out, normally open / normally close (optional)
NETWORK	
Protocol	HTTP(s) / RTSP / FTP / SMTP / DHCP / NTP / DST / RTP / RTMP / P2P / IPv4 / DDNS
IP Address Filtering	Yes (Allow list, Deny list)
P2P Mobile APP	Android, iOS
Web Access	IE, Firefox, Chrome, Edge, Safari (Windows / Linux / Mac / Chromebook / Tablet / Mobile)
PC Tool	Windows, Mac
ONVIF	23.12 compatible (Profile S, G, T, M)
GENERAL	
Network Port	1 × RJ45, 100 Mbps, PoE (IEEE 802.3af)
Power Supply	12 VDC ± 10%
Power Consumption	< 8 W
Operating Temperature	–20°C to +60°C, 10%–90% RH
Language	English, Simplified Chinese, Traditional Chinese, Japanese, Korean, German, Polish, Italian, Turkish, Ukrainian, Russian, etc.

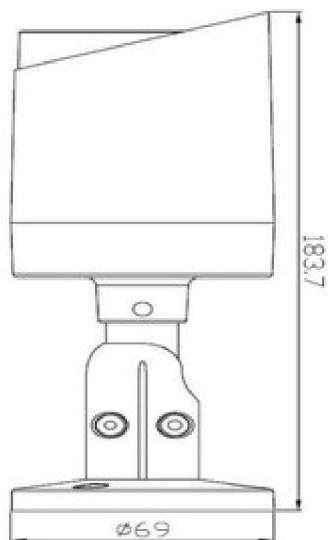
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DIMENSIONS



All dimensions in millimeters.

WHY IDS CCTV



Reliable Security

IP67 & IK10-rated housing, 4000 V lightning protection and dependable 24/7 operation in any environment.



Smart Detection

On-board AI identifies humans, vehicles and non-motor traffic in real time — up to 16 targets simultaneously.



Powered Performance

4MP clarity with IR night imaging, H.265 efficiency and PoE plug-and-play installation.

Need a quote or a demo unit?

Our team responds within one business day.

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