

MODEL: IDS-IPAID-4MP

4MP VCA AI Human & Vehicle Detection IR PoE Dome 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

18× SMD 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
- ✓ 18× SMD 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
info@idsccctv.com
idsccctv.com

OUR OFFICE

2850 Stirling Road SUITE G
Hollywood, FL 33020

TECHNICAL SPECIFICATIONS 1 / 2

Model		IDS-IPAIID-4MP — 4MP VCA AI Human & Vehicle Detection IR PoE Dome 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	
Day / Night	Auto/Passive/Schedule / Day/Night	
Image Adjust	Brightness, Saturation, Sharpness, Contrast, Denoise (0–100%)	
White Balance	AWB / MWB	
WDR	No	
DNR	2D / 3D DNR	
ENCODE		
Video Standard	H.264 / H.265	
Video Resolution	Main: 30fps@4MP(2560×1440) / 3MP / 1080P Sub: 30fps@QVGA / CIF	
Video Bitrates	Main: 64kbps–8Mbps Sub: 64kbps–2048kbps VBR/CBR	
Image Rotation	No	
Border Crop	X crop, Y crop	
Image Mirror	Horizontal / vertical / both	
OSD Overlay	Font size(1–4), position, time, title, AM/PM, color, user OSD, alarm OSD	
Privacy Mask	4 areas	
Region of Interest	ROI: 8 areas per stream	
Audio Standard	G.711-u / G.711-a / AAC / PCM, AEC	
Built-in Mic	Yes	

GET IN TOUCH

 (954) 903-0007
 info@idsccctv.com
 idsccctv.com

OUR OFFICE

 2850 Stirling Road SUITE G
 Hollywood, FL 33020

TECHNICAL SPECIFICATIONS 2 / 2

LED & DISTANCE	
LEDs	18× SMD 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, Pet
Trigger Action Linkage	Snapshot, Record, Relay, Email, FTP
Simultaneous Detection	Up to 16 targets
Digital IO Alarm	1 pair Alarm-in / Alarm-out
NETWORK	
Protocol	HTTP(s)/RTSP/FTP/SMTP/DHCP/NTP/RTP/RTMP/P2P/IPv4/DDNS
IP Address Filtering	Yes (Allow list, Deny list)
P2P Mobile APP	Android, iOS
Web Access	All major browsers
PC Tool	Windows, Mac
ONVIF	23.12 compatible (S, G, T, M)
GENERAL	
Network Port	1 × RJ45, 100 Mbps, PoE (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.

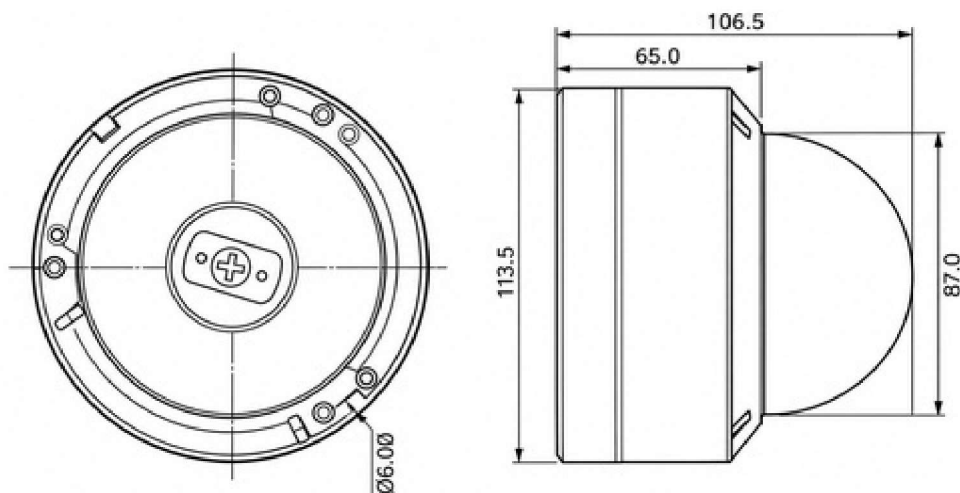
GET IN TOUCH

 (954) 903-0007
 info@idsccctv.com
 idsccctv.com

OUR OFFICE

 2850 Stirling Road SUITE G
 Hollywood, FL 33020

DIMENSIONS



All dimensions in millimeters.

WHY IDS CCTV



Reliable Security

IP67 & IK10-rated housing, 4000 V lightning protection.



Smart Detection

On-board AI identifies humans, vehicles and non-motor traffic – up to 16 targets.



Powered Performance

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

Need a quote or a demo unit?

Our team responds within one business day.

(954) 903-0007 · info@idsccctv.com
idsccctv.com

GET IN TOUCH

☎ (954) 903-0007
 ✉ info@idsccctv.com
 🌐 idsccctv.com

OUR OFFICE

📍 2850 Stirling Road SUITE G
 Hollywood, FL 33020