

MODEL: IDS-TA18MP

8MP VCA AI Face Detection, Human & Vehicle Detection, Color Night PoE Mini Turret IP Camera

PRODUCT OVERVIEW



8MP · 4K Ultra HD
3840 × 2160 @ 20 fps, 1/2.7"
CMOS



AI Smart Detection
Face, Human & Vehicle, Line
Crossing, Area Entry / Leaving /
Intrusion



Color Night Vision
IR + Warm dual light, 20–30 m
distance



PoE / 12 V DC
IEEE 802.3af, low power < 8 W



IP67 Weatherproof
–20 °C to +60 °C, 4000 V lightning
protection



Built-in Microphone
H.265 / H.264, ONVIF 23.12, P2P
cloud

SMART DETECTION SUITE

AI ENGINE · UP TO 16 TARGETS SIMULTANEOUSLY



Face Detection
1–5 m range



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

- ✓ 1/2.7" 8MP CMOS sensor with 4K resolution (3840 × 2160P)
- ✓ Face Detection, Human & Vehicle Detection, Line Crossing, Area Entry / Leaving & Intrusion Detection
- ✓ Low illumination 0.01 Lux — default in Color Night mode
- ✓ Day/Night (ICR), AWB, 2D/3D-DNR, IR-CUT
- ✓ D-WDR, Motion Detection, Privacy Mask, Flip
- ✓ RTSP and ONVIF 23.12 compatible
- ✓ H.265 / H.264 dual-stream media server
- ✓ Easy-to-use P2P cloud service — web browser, PC client & mobile APP remote access
- ✓ RJ45 100 Mbps network port, IEEE802.3af PoE
- ✓ Lightning protection 4000 V
- ✓ Strong waterproof housing, IP67
- ✓ 2 pcs IR & Warm dual lights, light distance 20–30 m
- ✓ Warm light on and colorful imaging when a human body or vehicle is detected
- ✓ 2.8 mm F1.6 fixed lens
- ✓ Internal microphone, with reset button

GET IN TOUCH

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OUR OFFICE

2850 Stirling Road SUITE G
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TECHNICAL SPECIFICATIONS 1 / 2

Model		IDS-TAI8MP — 8MP VCA AI Color Night PoE Mini Turret IP Camera
CAMERA		
Image Sensor		1/2.7" 8MP GC8613 CMOS
SoC Chip		Sigmastar SSC378DE
Effective Pixels		3840 (H) × 2160 (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		D-WDR
Light Mode		Smart (dual-light) / Infrared / White light, adjustable
Light Control		Auto / Manual, brightness level (0–100%) adjustable
DNR		2D / 3D DNR
ENCODE		
Video Standard		H.264 / H.265
Video Resolution		Main stream: 20fps@8MP (3840×2160), 30fps@6MP (3072×2048) / 5MP (2592×1944) / 4MP (2560×1440) / 3MP (2304×1296) / 1080P / 720P Sub stream: 10fps@720P, 30fps@D1 (704×576) (default) / (720×480) / VGA (640×480) / QVGA (640×360)
Video Bitrates		Main stream: 64 kbps – 8 Mbps Sub stream: 64 kbps – 2048 kbps VBR / CBR, quality (1–9), GOP (1–128)
Image Snapshot		Sub stream (SD) snapshot
Image Rotation		0 / 90 / 180 / 270° adjustable
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	
LEDs	2 pcs IR & Warm dual lights
IR Distance	20–30 m
White Light Distance	20–30 m
LENS	
Focal Length	F1.6, 2.8 mm fixed lens
LANGUAGE	
OSD Languages	English, Simplified Chinese, Chinese Traditional, Japanese, Korean, German, Polish, Italian, Turkish, Ukrainian, Russian, etc.
SMART DETECTION	
Motion Detection	Yes
Digital I/O Alarm	1 pair alarm-in / alarm-out, normally open / normally close (optional)
Human & Vehicle Detection	Yes (2–20 m)
Cross Line Detection	Yes, 4 lines
Perimeter Protection	Yes, 4 areas
Face Detection	Yes (1–5 m)
Target Detection Type	Human shape, vehicle, non-motor vehicle, pet, face (12 px–1000 px)
Trigger Action Linkage	Snapshot, record, white LED flash, email, FTP, NAS storage (NFS)
Simultaneous Detection	Maximum 16 targets simultaneous detection
Storage Type	Schedule / trigger: email, FTP, NAS (NFS)
Reset Button	Yes
NETWORK SERVICES	
Protocol	HTTP(s) / RTSP / FTP / SMTP / DHCP / NTP / DST / RTP / RTMP / P2P / HiK / IPv4 / IPv6 / NFS / DDNS
IP Address Filtering	Yes (allow list, deny list)
P2P Mobile APP	Android, iOS
Web Access	IE, Firefox, Chrome, Edge, Safari, etc. (Windows / Linux / Mac / Chromebook / tablet / mobile phone)
PC Tool	Windows, Mac
ONVIF	23.12 compatible (profiles S, G, T, M)
GENERAL	

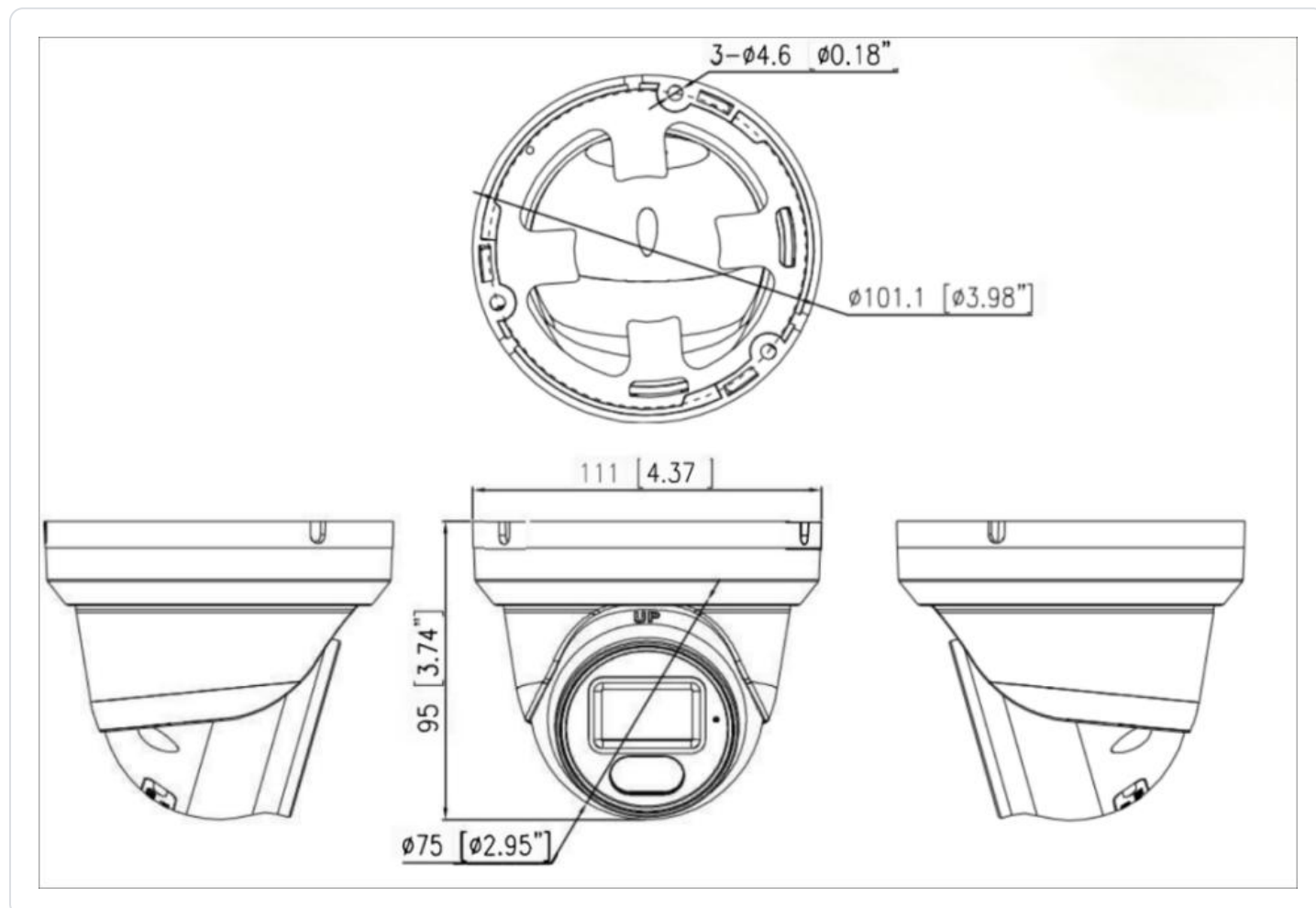
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DIMENSIONS



All dimensions in millimeters (inches in brackets). 3- $\varnothing$ 4.6 mounting holes on $\varnothing$ 101.1 base plate.

WHY IDS CCTV



Reliable Security

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



Smart Detection

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



Powered Performance

4K clarity with true color night imaging, H.265 efficiency and single-cable PoE installation.

Need a quote or a demo unit?

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