

MODEL: IDS-DAITIP-8MP

8MP VCA AI Face Detection Dual Lens Color Night Turret IP Camera

PRODUCT OVERVIEW



8MP Dual Lens

4096x1944 (19:9) resolution with dual 1/2.7" CMOS sensors for 180° wide-angle panoramic view.



AI Face & Vehicle Detection

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



Color Night Vision

2 pcs warm light + 3 pcs IR array LEDs with 25-30m range for full-color 24/7 surveillance.



IP67 Weatherproof

Strong water-proof housing with 4000V lightning protection for reliable outdoor operation.



PoE Plug & Play

IEEE802.3af PoE with 100Mbps network port for single-cable installation and power.



Two-Way Audio & SD

Built-in mic & speaker with G.711/AAC audio, audio alarm siren, and micro-SD storage up to 512GB.

AI DETECTION SUITE

FACE DETECTION . CROSS LINE . PERIMETER PROTECTION



Face Detection

Detects faces (12px-1000px) at 1-5m range with snapshot and recording trigger



Human & Vehicle Detect

Identifies human shape, vehicle and non-motor vehicle targets at 2-20m range



Cross Line Detection

4 programmable lines with configurable crossing direction and trigger actions



Area Intrusion

4 perimeter areas with intrusion detection and relay/audio alarm linkage



Entry/Leaving Detection

Area-based entry and leaving detection with event-triggered recording



Motion Detection

Advanced motion detection with customizable sensitivity and privacy mask regions

KEY FEATURES

- ✓ 8MP wide-view resolution 4096 × 1944P (19:9) @ 20fps with dual 1/2.7" CMOS sensors
- ✓ 180° wide-angle panoramic view from dual F1.6 2.8mm fixed lenses with stitch distance adjustment
- ✓ AI face detection (1-5m), human & vehicle detection (2-20m), cross line & perimeter protection
- ✓ Dual-light technology: 2 pcs warm light + 3 pcs IR array LEDs with 25-30 m night vision range
- ✓ H.265/H.264 dual-stream video compression with Main Stream up to 8MP @ 20fps
- ✓ Low illumination 0.01 Lux with Day/Night (ICR), IR-CUT, AWB, AGC, BLC, 2D/3D-DNR, WDR, Flip
- ✓ Built-in two-way audio with G.711-u/G.711-a/AAC/PCM codecs and AEC echo cancellation
- ✓ Audio alarm siren to warn intruders off with trigger linkage to LED flash, recording, and snapshot
- ✓ Micro-SD storage up to 512GB with schedule/trigger recording, Email, FTP, and NAS (NFS) support
- ✓ ONVIF 23.12 compliant (Profile S G T M) with RTSP, RTMP, P2P cloud service and HiK protocol
- ✓ Multi-platform remote access: IE, Firefox, Chrome, Safari, Android, IOS, PC Tool (Windows/Mac)
- ✓ Privacy mask (4 areas), Region of Interest (8 areas per stream) and image adjust for customized monitoring
- ✓ IP67 weather-proof housing with 4000V lightning protection for harsh outdoor environments
- ✓ RJ45 100Mbps network port with IEEE802.3af PoE and 12 VDC ±10% dual power supply
- ✓ Wide operating temperature range -20°C to +60°C with 10%-90% RH humidity tolerance

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-DAITIP-8MP — 8MP VCA AI Face Detection Dual Lens Turret IP Camera	
CAMERA		
Image Sensor	1/2.7" GC6603 CMOS × 2	
Effective Pixels	4096(H) × 1944(V)	
Soc Chip	Sigmastar SSC359G	
Exposure Shutter	Auto/Manual: 1/10s ~ 1/8000s	
Day/Night	Auto (Active/Passive/Schedule) / Day / Night, anti-flicker (Auto/50Hz/60Hz)	
WDR	No	
Light Mode	Smart (Dual-light) / IR / White Light, brightness level adjustable (0-100%)	
DNR	2D / 3D DNR	
White Balance	AWB / MWB	
Image Adjust	Brightness, Saturation, Sharpness, Contrast, Denoise (0-100%) adjustable	
Lens	2 × F1.6 2.8mm fixed lens	
FOV	Horizontal: 180° (dual lens stitched)	
Stitch Distance	1 — 50000 mm adjustable	
VIDEO & AUDIO		
Video Standard	H.264 / H.265 / MJPEG (MJPEG max 1080P)	
Main Stream	20fps @ 8MP (4096×1944) default / 1920×1080P	
Sub Stream	20fps @ 1024×480 default / 768×360	
Video Bitrates	Main: 64kbps-12Mbps / Sub: 64kbps-2Mbps; VBR/CBR, quality (1-9), GOP (1-128)	
Image Rotation	No	
Border Crop	No	
Image Mirror	Horizon / Vertical / Horizon & Vertical adjustable	
Privacy Mask	4 areas	
Region of Interest	ROI: Each stream supports 8 areas	
OSD Overlay	Font size (1-4), position, Time, Title, AM/PM, Color, User OSD, Alarm OSD	
Image Snapshot	Main stream (HD) / Sub stream (SD) snapshot	
Language	English, Japanese, Korean, German, Polish, Italian, Turkish, Ukraine, Russian, etc.	

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TECHNICAL SPECIFICATIONS 2 / 2

AUDIO	
Audio Standard	G.711-u / G.711-a / AAC / PCM, AEC
Built-in Mic	Yes
Built-in Speaker	Yes (audio alarm siren supported)
Two-Way Audio	Full-duplex with echo cancellation
LIGHTING	
IR LEDs	3 pcs IR array LEDs
White LEDs	2 pcs warm-light LEDs
IR Distance	25 – 30 m
White Light Distance	25 – 30 m
Light Control	Auto / Manual, brightness level (0-100%) adjustable
SMART DETECTION	
Motion Detection	Yes
Human / Vehicle Detection	Yes (2-20 m range)
Cross Line Detection	Yes, 4 lines
Perimeter Protection	Yes, 4 areas (intrusion, entry, leaving)
Face Detection	Yes (1-5 m, 12px-1000px)
Target Detection Types	Human Shape, Vehicle, Non-motor Vehicle, Pet, Face
Simultaneous Detection	Maximum 16 targets
Trigger Action Linkage	Snapshot, Recording, Relay, White LED Flash, Voice Siren, Micro-SD, Email, FTP, NAS (NFS)
NETWORK	
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)
ONVIF	23.12 compatible (Profile S, G, T, M)
P2P Mobile APP	Android, IOS
Web Access	IE, Firefox, Chrome, Edge, Safari (Windows / Linux / Mac / Chromebook / Tablet / Mobile)
PC Tool	Windows, Mac
GENERAL	
Network Port	1 × RJ45, 100 Mbps, PoE (IEEE802.3af)
Power Supply	12 VDC ± 10%
Power Consumption	< 10 W
Lightning Protection	4000 V
Digital IO Alarm	1 pair Alarm-in/Alarm-out, normally open / normally close (optional)
Operating Temperature	-20 °C – +60 °C, 10% – 90% RH
Enclosure Rating	IP67 water-proof housing
Storage	Micro-SD (512 GB max), Email, FTP, NAS (NFS) – Schedule / Trigger
Reset Button	Yes

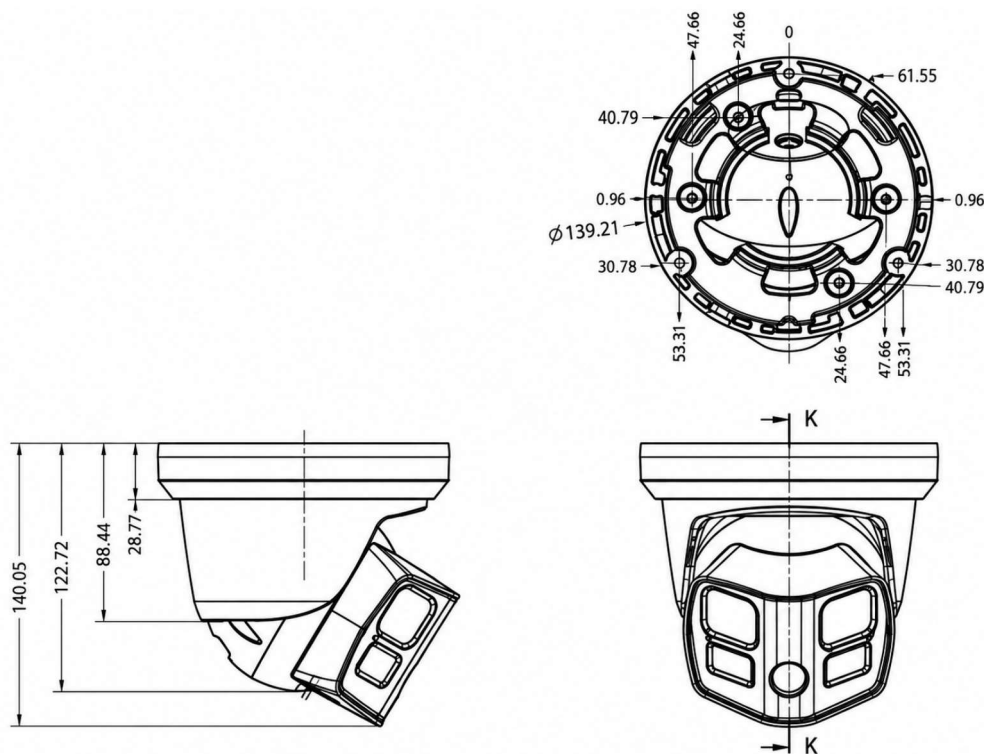
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DIMENSIONS



All dimensions are in millimeters (mm). Product appearance and specifications are subject to change without notice.

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 faces, humans, vehicles and non-motor traffic – up to 16 targets simultaneously.



Dual-Light Performance

8MP 180° panoramic coverage with warm-light color night vision, two-way audio and intelligent siren alerts.

Need a quote or a demo unit?

Our team responds within one business day.

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