



DH-SDT5X405-4F-FA-0600

4MP 5 Starlight IR NETWORK PTZ CAMERA



Wiz Mind

Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, IVSS,NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

System Overview

The multi-sensor series blends the functions of panoramic and detail cameras into its powerful design. Both the panoramic and detail cameras of this model can freely rotate on their domes to track multiple targets in a scene from different angles while keeping an eye on the monitored area. The panoramic camera is used in intelligent detection, and the detail camera is for auto-tracking. They also harness the strength of their embedded AI chips to perform a wide variety of intelligent functions, making them ideal for use in many scenarios.

Functions

Protection (IP67, TVS 8000 V)

IP67, TVS 8000 V lightning proof, surge protection, and voltage transient protection.

Face Recognition

Face attributes are extracted from captured faces, and stored in a database where they can be conveniently searched for and compared against other images. Once a successful match is found, the system outputs the result. The Dahua Face Recognition camera supports a built-in database that stores up to 10,000 face images, allowing the camera to capture and compare face images in real time.

- 1/1.8" 4Megapixel STARVIS™ CMOS.
- 5x optical zoom.
- Starlight technology.
- · Max. 50/60fps@4M.
- IR distance up to 100 m.
- · Auto-tracking.
- · Perimeter protection.
- · Face recognition.
- · Metadata.
- · IP67.









Perimeter Protection

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, and more, and uses secondary recognition during target detection to improve alarm accuracy.

Video Metadata

Metadata is information on the attributes of targets that is extracted during monitoring. It can be used for data retrieval. There are four kinds of metadata supported by Dahua PTZ WizMind cameras: Human face, human body, motor vehicle and non-motor vehicle. Face information includes gender, age, glasses, masks, beards, and more. Human body information includes hat, top, top color, bottom, bottom color, bag, and more. Motor vehicle information includes plate color, type, vehicle color, sun visor, ornament, calling, seatbelt, smoking, annual inspection sticker, and more. Non-motor vehicle information includes type, color, top type, top color, people number, and more.

Scene

It is ideal for scenes that require highly detailed images to clearly view targets, and can be used to monitor wide areas with poor lighting conditions, such as community perimeter, subway entrances and exits, sidewalks, pedestrian streets, highways, posts, parks, tourist attractions, streets, transit stations, and inside and outside the industrial parks.

| Technical Specification | 1 | | Panorama: |
|----------------------------|---|---|--|
| Camera | | Manual Control Speed | Pan: 0.1°/s–100°/s Tilt: 0.1°/s–25°/s Detail: |
| Image Sensor | Panorama: 1/1.8" CMOS Detail: 1/1.8" CMOS | | Pan: 0.1°/s–120°/s Tilt: 0.1°/s–50°/s |
| Pixel | Panorama: 4 MP Detail: 4 MP | Panorama: Pan: 100°/s | |
| Max. Resolution | Panorama: 2688 (H) × 1520 (V) Detail: 2688 (H) × 1520 (V) | Preset Speed | Tilt: 50°/s Detail: Pan: 360°/s |
| ROM | 8 GB | | Tilt: 200°/s |
| RAM | 4 GB | Preset | 300 |
| Electronic Shutter Speed | Panorama: 1 s–1/30,000 s Detail: 1 s–1/30,000 s | Tour | 8 (up to 32 presets per tour) 5 |
| Scanning System | Progressive | | Yes |
| | Panorama: Color: 0.001 lux@F1.0 | Power-off Memory | |
| Min Illumination | B/W: 0.0001 lux@F1.0 Detail: | Idle Motion | Preset;Scan;Tour |
| Min. Illumination | Color: 0.001 lux@F1.3 B/W: 0.0001 lux@F1.3 | PTZ Protocol | DH-SD Pelco-P/D (Auto recognition) |
| | 0 lux (IR light on) | Intelligence | |
| Illumination Distance | Panorama: 30 m (98.43 ft) (white light) Detail: 100 m (328.08 ft) (IR) | Video Metadata | Motor vehicle, non-motor vehicle, face, and human body detection; tracking; optimization; capturing pictures; uploading high-quality face snapshots Extracts 10 attributes from motor vehicles, 6 attributes from non-motor vehicles, 8 attributes |
| Illuminator On/Off Control | Panorama: Zoom Prio; Auto; Manual; Off Detail: | from human bodies and 6 attributes from human faces. | |
| Illuminator Number | Zoom Prio; Auto; Manual; Off Panorama: 4 (white light) Detail: 4 (IR) | IVS (Perimeter Protection) | Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; Linking the detail camera to |
| Lens | | | track targets |
| Focal Length | Panorama: 6 mm Detail: 10 mm–50 mm | | Supports face detection, face bounding box, capturing snapshots, uploading face snapshots, enhancing face images, and selecting a preferred |
| Max. Aperture | Panorama: F1.0 Detail: F1.3–F1.5 | image among a group of snapshots. Attribute Extraction is also supported, where 6 attributes an Face Recognition 8 expressions can be detected. Face cutout is also offered, where you can cutout one face at a time a customize the size to be a one-inch photo. Support up to 5 face databases; registers person one by one | |
| Field of View | Panorama: H: 57°; V: 31°; D: 66° Detail: H: 45°–10°; V: 26°–5.7°; D: 51°–11.5° | | |
| Optical Zoom | Panorama: NA Detail: 5× | | or in batches; sets face similarity; compares faces with 10,000 faces. |
| Focus Control | Auto; semi-auto; manual | Auto Tracking | Yes |
| Close Focus Distance | Panorama: 0.2 m (0.66 ft) Detail: 0.5 m-2 m (1.64 ft-6.56 ft) | Video | |
| Iris Control | Panorama: Fixed Detail: Auto; manual | Video Compression | H.264H; H.264B; Smart H.265+; H.265; Smart H.264+; MJPEG(Sub Stream); H.264M |
| | Detect Observe Recognize Identify | Streaming Capability | 3 streams |
| DORI Distance | 115.9 m 46.3 m 23.2 m 11.6 m (380.25 ft) (151.90 ft) (76.12 ft) (38.06 ft) | | Panorama: 2688 × 1520; 2560 × 1440; 2304 × 1296; 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240) Detail: |
| | 642.8 m 257.1 m 128.6 m 64.3 m (2108.92 ft) (843.50 ft) (421.92 ft) (210.96 ft) | Resolution | |
| PTZ | | | Detail: 2688 × 1520; 2560 × 1440; 2304 × 1296; 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); |
| Pan/Tilt Range | Panorama: Pan: 0° to 360° endless Tilt: 0° to +30° Detail: | | D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240) |
| | Pan: 0° to +305° Tilt: -10° to +90° | | |

| | Panorama: Main stream: 4M/3M/1080p/1.3M/720p@(1–50/60 fps) | |
|--------------------------|--|--|
| Video Frame Rate | Sub stream 1: D1/VGA/CIF@(1–25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1–25/30 fps) Detail: Main stream: 4M/3M/1080p/1.3M/720p@(1–50/6 | |
| | fps) Sub stream 1: D1/VGA/CIF@(1–25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1–25/30 fps) | |
| Bit Rate Control | CBR/VBR | |
| Video Bit Rate | H264: 2816 kbps–13056 kbps H265: 1024 kbps–7936 kbps | |
| Day/Night | Panorama: Color/B/W Detail: Auto (ICR)/Color/B/W | |
| BLC | Yes | |
| WDR | Panorama: 140 dB Detail: 140 dB | |
| HLC | Yes | |
| White Balance | Panorama: Auto; indoor; outdoor; tracking; manual sodium lamp; natural light; street lamp Detail: Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp | |
| Gain Control | Auto; manual | |
| Noise Reduction | 2D NR; 3D NR | |
| Motion Detection | Yes | |
| Region of Interest (RoI) | Yes | |
| Image Stabilization | Panorama: Electronic (EIS) Detail: Electronic (EIS) | |
| Defog | Electronic | |
| Digital Zoom | 16× | |
| Image Rotation | 180° | |
| S/N Ratio | Panorama: ≥55 dB Detail: ≥55 dB | |
| Audio | | |
| Audio Compression | PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 | |
| Network | | |
| Network Port | RJ-45 (10/100 Base-T) | |
| Network Protocol | TCP;FTP;RTMP;IPv6;IPv4;DNS;RTCP;PPPoE;NTP; RTP;802.1x;HTTPS;SNMP;DDNS;UPnP;ICMP;UD P;IGMP;HTTP;DHCP;SMTP;SNMPv1/v2c/v3(MIB- 2);Qos;RTSP;ARP | |
| Interoperability | CGI;ONVIF | |
| Streaming Method | Unicast/Multicast | |
| User/Host | 20 (total bandwidth: 64 M) | |
| Storage | FTP; Micro SD card (512 GB) | |
| Browser | IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions | |
| Management Software | DSS7016D-I;Cloud Connection;5 Series NVR;ICC-B8900;SmartPSS Plus;DSS-C9100;IVSS | |
| | | |

| Port | | |
|-----------------------|---|--|
| Audio Input | 1 channel (LINE IN, bare wire) | |
| Audio Output | 1 channel (LINE OUT,bare wire) | |
| Alarm Linkage | Capture; preset; tour; recordings on SD card; alarm digital input; send email | |
| Alarm Event | Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; unauthorized access detection | |
| Alarm I/O | 2/1 | |
| Audio I/O | 1/1 | |
| Power | | |
| Power Supply | 36 VDC/2.23 A (±25%) | |
| Power Consumption | Basic: 23.5 W Max.: 45 W (illuminator + intelligence + PTZ) | |
| Environment | | |
| Operating Temperature | -40 °C to +65 °C (-40 °F to +149 °F) | |
| Operating Humidity | ≤95% | |
| Protection | IP67, TVS 6000 V lightning proof; surge protection; voltage transient protection | |
| Structure | | |
| Product Dimensions | 280.2 mm × 277.0 mm × 385.0 mm (11.03" × 10.91" × 15.16") | |
| Net Weight | 9 kg (19.84 lb) | |
| Gross Weight | 12.7 kg (27.99 lb) | |

Wiz Mind | DH-SDT5X405-4F-FA-0600

| Ordering Information | | | | |
|----------------------|----------------------------|---------------------------------------|--|--|
| Туре | Model | Description | | |
| SDT5X Series | DH-SDT5X405-4F- FA-0600 | 4MP 5 Starlight IR NETWORK PTZ CAMERA | | |
| | SDT5X405-4F-FA-0600 | 4MP 5 Starlight IR NETWORK PTZ CAMERA | | |
| Accessories | DC36V/2.23A | Power Adapter | | |
| | PFB306W-S | Wall Mount Bracket | | |
| | PFB300C | Ceiling Mount Bracket | | |
| | PFA151 | Corner Mount Bracket | | |
| | PFA150 | Pole Mount Bracket | | |

| Wall Mount | Ceiling Mount | Pole Mount(Vertical) |
|------------------|------------------------|----------------------|
| PFB306W=S | PFB300C—S | PFB306W-S+PFA150 |
| | | |
| Corner Mount | Pole Mount(Horizontal) | |
| PFB306W-S+PFA151 | PFB300C=S+PFA150 | |
| | | |

Accessories

Included:



DC36V/2.23A Power Adapter



PFB306W-S Wall Mount Bracket

Optional:



PFB300C Ceiling Mount Bracket



PFA151 Corner Mount Bracket



PFA150 Pole Mount Bracket

Dimensions (mm [inch])

