

NET CAMERA 8MP BULLET/HFW5859E-ASE-IL-0280B DAHUA

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Model: IPC-HFW5859E-ASE-IL-0280B

Manufacturer: DAHUA

EAN: 6937552408326

Product Code: 406026

R11,697

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.

Series Overview

With its deep learning algorithms, the WizMind 5 Series camera offers advanced analytical capabilities for both audio and video. It integrates intelligent features such as video metadata, AcuPick, face detection, perimeter protection, and people counting. Powered by the Xinghan Large-Scale AI Models-Vision, the camera excels in object detection, recognition, and scene adaptation. Equipped with AI-ISP imaging technology, it offers enhanced night vision performance. The series is

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designed for durability, being dust-proof, waterproof, and vandal-proof, in compliance with IP67 and IK10 standards, though support for these certifications may vary across models.

Xinghan Large-Scale AI Models-Vision

Xinghan Large-Scale AI Models-Vision seamlessly expands the storage and operational capacity of algorithmic models through the powerful integration of edge AI model algorithms and NPU computing power. Engineered with a lightweight transformer architecture and enhanced by model distillation and quantization techniques, it optimizes the computing power consumption of ViT operators. This enables the system to collaborate on multiple tasks simultaneously through joint inference between small and large models optimized for edge devices.

Self-Learning

Empowered by deep learning technology, the device recognizes different types of targets and their statuses through learning and analyzing target features to detect targets and filter out false alarms.

Smart Dual Light

Dahua Smart Dual Light technology adopts smart algorithm to detect targets. Usually, the IR illuminator is on at night; when the target appears in the monitoring area, the white light is on, and the camera records the full-color video and information of key events. That is, the camera links snapshot and video with full-color image. When the target is out of the monitoring area, the white light is off and the IR illuminator is on, which reduces light pollution efficiently.

AcuPick

This industry-leading search technology effectively utilizes both front-end and back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

Protection (IP67, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normally after soaking in 1 m deep water for 30 minutes. Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

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- 8-MP 1/1.8" CMOS image sensor, low luminance, and high definition image
- Outputs max. 8 MP (3840 × 2160) @25/30 fps
- Built-in multi-core light, the max. IR distance is 50 m and the max. warm light distance is 50 m
- ROI, SVC, SMART H.264+/H.265+, AI H.264/H.265, encoding after filter, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Powered by the Xinghan Large-Scale AI Models-Vision, the camera outstandingly delivers on its object detection, recognition, and scene adaptation functions
- With deep learning algorithm, it supports: AcuPick, video metadata, IVS, face detection, and people counting, etc
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 1 TB Micro SD card; built-in Mic
- 12 VDC/PoE power supply; ePoE
- IP67 protection

Summary: Dahua Technology WizMind 8MP Smart Dual Light Fixed-focal Bullet Network Camera.

Type: IP security camera, Placement supported: Indoor & outdoor, Connectivity technology: Wired.

Mounting type: Ceiling/Wall/Pole, Product colour: White, Form factor: Bullet. Angle of rotation: 360°,

Lens viewing angle, horizontal: 110°, Lens viewing angle, vertical: 56°. Sensor type: CMOS, Optical sensor size: 25.4 / 1.8 mm (1 / 1.8"). Detect distance: 89.2 m, Observe distance: 35.7 m, Recognize distance: 17.8 m | Vendor Homepage: [https://www.dahuasecurity.com/mena/products/All-](https://www.dahuasecurity.com/mena/products/All-Products/Network-Cameras/WizMind-5-Series/Smart-Dual-Light/8MP/IPC-HFW5859E-ASE-IL)

[Products/Network-Cameras/WizMind-5-Series/Smart-Dual-Light/8MP/IPC-HFW5859E-ASE-IL](https://www.dahuasecurity.com/mena/products/All-Products/Network-Cameras/WizMind-5-Series/Smart-Dual-Light/8MP/IPC-HFW5859E-ASE-IL) | Fog

proof: Yes | Form factor: Bullet | Housing material: Metal | International Protection (IP) code: IP67 |

Mounting type: Ceiling/Wall/Pole | Product colour: White | Alarm input/output: Yes | Built-in light: Yes | Certification: CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; |

Connectivity technology: Wired | Day/night mode: Yes | Dynamic range: 120 | People counting

function: Yes | Placement supported: Indoor & outdoor | PTZ control: Yes | PTZ modes: Digital PTZ |

Type: IP security camera | Wide Dynamic Range (WDR): Yes | Angle of rotation: 360 | Camera shutter

speed: 1/3 - 1/100000 | Camera shutter type: Electronic/Mechanical | Lens viewing angle, diagonal: 134 | Lens viewing angle, horizontal: 110 | Lens viewing angle, vertical: 56 | Minimum illumination: 0

| Pan range: 0 - 360 | Tilt angle range: 0 - 90 | White balance: Auto/Manual/Natural/Outdoor/Regional custom/Street lamp | Optical sensor size: 1/1.8 | Progressive scan: Yes | Sensor type: CMOS | Closest

focusing distance: 2.1 | Detect distance: 89.2 | Fixed focal length: 2.8 | Fixed focus: Yes | Identify distance: 8.9 | Maximum aperture number: 1.6 | Number of lenses: 1 | Observe distance: 35.7 |

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Recognize distance: 17.8 | LED type: IR/White | Night vision: Yes | Night vision distance: 50 | Number of illumination LEDs: 4 | Back Light Compensation (BLC): Yes | Bit rate: 3 kbps-16384 kbps | Bit rate control: Constant Bit Rate (CBR)/Variable Bit Rate (VBR) | Frame rate: 30 | Gain control type: Auto/Manual | Highlight Compensation (HLC): Yes | Maximum resolution: 3840 x 2160 | Noise reduction: Yes | Noise reduction technology: 3D noise reduction | Region of Interest (ROI) encoding: Yes | Supported graphics resolutions: 3840 x 2160 | Supported video modes: 2160p | Total megapixels: 8 | Video compression formats: H.264/H.264B/H.264H/H.265/M-JPEG | Video streaming: Yes | Audio codecs: G.711a; G.711Mu; PCM; G.726; G.723 | Audio input channels: 1.0 | Audio output channels: 1.0 | Built-in microphone: Yes | Signal-to-Noise Ratio (SNR): 56 | Bluetooth: No | Cabling technology: 10/100Base-T(X) | Client interoperability: ONVIF (Profile S & Profile G & Profile T & Profile M); CGI | Ethernet interface type: Fast Ethernet | Ethernet LAN: Yes | Networking standards: IEEE 802.3at | Supported network protocols: IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P | Wi-Fi: No | Wi-Fi standards: Not supported | Built-in HDD: No | Card reader integrated: Yes | Compatible memory cards: MicroSD (TransFlash) | Maximum memory card size: 1000 | RAM capacity: 2000 | ROM capacity: 4000 | Ethernet LAN (RJ-45) ports: 1 | Alarm input channels: 1 | Alarm output channels: 1 | Intelligent Video Surveillance (IVS) system features: Face detection/Heat map/Intrusion/Moving object/Tripwire | Mirror: Yes | Privacy protection: Yes | Video motion detection: Yes | Management software: DSS; DMSS; DoLynk Care | Web browser: Yes | DC output voltage: 12 | Power consumption (max): 13.3 | Power consumption (Power over Ethernet (PoE)): 6.3 | Power consumption (typical): 4.2 | Power source type: DC | Operating relative humidity (H-H): 0 - 95 | Operating temperature (T-T): -40 - 60 | Storage relative humidity (H-H): 0 - 95 | Storage temperature (T-T): -40 - 60 | Mobile operating systems supported: Android/iOS | Height: 66.4 | Length: 192.7 | Weight: 610 | Width: 70.5 | Package weight: 770 | Number of cameras: 1 | Data transfer rate: 100 | Iris: Yes | Lens mount interface: M12 | Product Net Weight: 0.61 | Shipping Box Height: 10 | Unit Calculated Volume: 0.002475 | Unit Calculated Weight: 0.81 | Units per Pallet: 0 | Units per Shipping Box: 1

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