

NET CAMERA 4MP DOME/HDBW5459R-ASE-IL-0280B DAHUA

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Model: IPC-HDBW5459R-ASE-IL-0280B

Manufacturer: DAHUA

EAN: 6937552408142

Product Code: 893044

R9,486

4MP Smart Dual Light Fixed-focal Vandal-proof Dome WizMind Network Camera

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.

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.

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Equipped with AI-ISP imaging technology, it offers enhanced night vision performance. The series is 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, IK10, 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. IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage

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tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

- 4-MP 1/1.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2688 × 1520) @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 and IK10 protection.

Summary: Dahua Technology IPC -HDBW5459R-ASE-IL-0280B. Type: IP security camera, Placement supported: Indoor & outdoor, Connectivity technology: Wired. Mounting type: Ceiling, Product colour: White, Form factor: Dome. Minimum illumination: 0.0007 lx, Angle of rotation: 355°, Lens viewing angle, horizontal: 112°. Sensor type: CMOS, Optical sensor size: 25.4 / 1.8 mm (1 / 1.8"), Number of effective pixels (H x V): 2688 x 1520 pixels. Signal-to-Noise Ratio (SNR) (panoramic camera): 56 dB | Vendor Homepage: <https://www.dahuasecurity.com/ceen/products/All-Products/Network-Cameras/WizMind-5-Series/Smart-Dual-Light/4MP/IPC-HDBW5459R-ASE-IL> | Form factor: Dome | Mounting type: Ceiling | Product colour: White | Housing material: Metal | International Protection (IP) code: IP67 | IK code: IK10 | Type: IP security camera | Connectivity technology: Wired | Placement supported: Indoor & outdoor | Wide Dynamic Range (WDR): Yes | Day/night mode: Yes | Alarm input/output: Yes | Dynamic range: 140 | Certification: CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; | Minimum illumination: 0.0007 | Angle of rotation: 355 | Lens viewing angle, horizontal: 112 | Lens viewing angle, vertical: 58 | Lens viewing angle, diagonal: 137 | Lens viewing angle, diagonal (second camera): 89 | Lens viewing angle, horizontal (second camera): 51 | Lens viewing angle, vertical (second camera): 101 | Pan range: 0 - 355 | White balance: Auto/Manual/Outdoor | Camera shutter type: Electronic | Camera shutter speed: 1/3 - 1/100000 | Adjustment shutter speed: Auto/Manual | Signal-to-Noise Ratio (SNR) (panoramic camera): 56 |

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Number of sensors: 1 | Optical sensor size: 1/1.8 | Progressive scan: Yes | Number of effective pixels (H x V): 2688 x 1520 | Sensor type: CMOS | Number of lenses: 1 | Detect distance: 70 | Observe distance: 28 | Recognize distance: 14 | Identify distance: 9.7 | Maximum aperture number: 1.6 | Closest focusing distance: 2 | Fixed focal length: 2.8 | Maximum resolution: 2688 x 1520 | Total megapixels: 4 | Video formats supported: H.264/H.265 | Video compression formats: H.264/H.264B/H.264H/H.265/M-JPEG | Supported graphics resolutions: 1280 x 720 (HD 720)/1280 x 960/1920 x 1080 (HD 1080)/2304 x 1296/2560 x 1440/2688 x 1520/352 x 240/352 x 288/640 x 480 (VGA)/704 x 480/704 x 576 | Supported video modes: 1080p/720p | Frame rate: 60 | Video streaming: Yes | Noise reduction: Yes | Noise reduction technology: 3D noise reduction | Gain control type: Auto/Manual | Back Light Compensation (BLC): Yes | Bit rate: H.264: 32 Kbps-8192 Kbps, H.265: 19 Kbps-8192 Kbps | Bit rate control: Constant Bit Rate (CBR)/Variable Bit Rate (VBR) | Flip & mirror: Yes | Highlight Compensation (HLC): Yes | Privacy masking: Yes | Region of Interest (ROI) encoding: Yes | Audio input channels: 1.0 | Audio output channels: 1.0 | Audio formats supported: AAC/G.711/G.723/G.726 | Built-in microphone: Yes | Ethernet LAN: Yes | Networking standards: IEEE 802.3af | Supported network protocols: Pv4; 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; Auto Registration | Number of users: 20 | Streaming method: Multicast/Unicast | Built-in HDD: No | Compatible memory cards: MicroSD (TransFlash) | Maximum memory card size: 256 | Internal memory: 2000 | ROM capacity: 4000 | Ethernet LAN (RJ-45) ports: 1 | Alarm input channels: 1 | Alarm output channels: 1 | Intelligent Video Surveillance (IVS) system features: Abandoned object/Missing object | Mirror: Yes | Web browser: Yes | Management software: Smart PSS;DSS;DMSS | Power source type: DC,PoE | Power consumption (typical): 4.4 | DC output voltage: 12 | Operating temperature (T-T): -40 - 60 | Storage temperature (T-T): -40 - 60 | Operating relative humidity (H-H): 0 - 95 | Mobile operating systems supported: Android/iOS | Height: 94 | Diameter: 122 | Weight: 713 | Compliance certificates: CE/Federal Communications Commission (FCC) | Package weight: 986 | Number of cameras: 1 | Unit Calculated Weight: 0.71 | Product Net Weight: 0.713 | Unit Calculated Volume: 0.002818 | Units per Shipping Box: 1 | Unit Width: 13.9 | Units per Pallet: 0 | Shipping Box Height: 13.6999998092651 | Unit Depth: 14.8 | Unit Height: 13.7 | Name: NET CAMERA 4MP DOME/HDBW5459R-ASE-IL-0280B DAHUA

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