

NET CAMERA 5MP IR DOME/HDBW3541F-AS-0280B-S2 DAHUA

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Model: IPC-HDBW3541F-AS-0280B-S2

Manufacturer: DAHUA

EAN: 6923172542816

Product Code: 406461

R5,457

Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

Dahua WizSense 3 Series Network Camera greatly saves on bandwidth and storage space through its AI Coding technology. Driven by its advanced deep learning algorithms, the camera supports intelligent functions such as perimeter protection, smart motion detection (SMD), Quick Pick, and AI SSA (AI

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Scene Self-adaptation), making it easy and convenient to use. Starlight technology and its large aperture lens also allow the camera to produce clear, vivid images even in poor lighting conditions.

SMD 4.0

Dahua Smart Motion Detection technology works with intelligent algorithms to classify targets that trigger motion detection alarms. It filters out objects that are not targets, such as small and large animals, to avoid triggering false alarms. With an AI NVR, Quick Pick technology becomes available, allowing you to easily search for and pick out human and vehicle targets from SMD event videos, prioritizing the highest matches.

AI SSA

Dahua AI Scene Self-adaptation (AI SSA) adopts deep learning algorithms to detect environmental conditions, such as rain, fog, backlight, low light and flicker, to adjust the parameters of the image to suit the conditions, ensuring that clear images are always produced.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion) are largely reduced.

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

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Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted

storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from comprising the device.

- 5 MP 1/2.7" CMOS image sensor, excellent low luminance performance and high definition of images
- Outputs max. 5 MP (2960 × 1668) @20 fps and supports 4MP (2688 × 1520) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max. IR distance: 30 m
- ROI, SMART H.264 +/H.265+, AI H.264/H.265. flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, privacy masking, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection

Summary: Dahua Technology WizSense DH-IPC-HDBW3541F-AS-S2. Type: IP security camera, Placement supported: Indoor & outdoor, Connectivity technology: Wired. Mounting type: Ceiling/wall, Product colour: White, Form factor: Dome. Minimum illumination: 0.005 lx, Angle of rotation: 355°, Lens viewing angle, horizontal: 111°. Sensor type: CMOS, Optical sensor size: 25.4 / 2.7 mm (1 / 2.7"). Signal-to-Noise Ratio (SNR) (panoramic camera): 56 dB | Vendor Homepage: <https://www.dahuasecurity.com> | Form factor: Dome | Mounting type: Ceiling/wall | Product colour: White | International Protection (IP) code: IP67 | IK code: IK10 | Fog proof: Yes | Type: IP security camera | Connectivity technology: Wired | Placement supported: Indoor & outdoor | Wide Dynamic Range (WDR): Yes | Dynamic range: 120 | Certification: CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14 | Camera pan control: Yes | Camera tilt control: Yes | Minimum illumination: 0.005 | Angle of rotation: 355 | Lens viewing angle, horizontal: 111 | Lens

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viewing angle, vertical: 58 | Lens viewing angle, diagonal: 132 | Tilt angle range: 20 - 70 | Pan range: 0 - 355 | White balance: Auto/Manual/Natural/Outdoor/Regional custom/Street lamp | Camera shutter type: Electronic | Camera shutter speed: 1/3 - 1/100000 | Adjustment shutter speed: Auto/Manual | Number of Privacy masking areas: 4 | Signal-to-Noise Ratio (SNR) (panoramic camera): 56 | Number of sensors: 1 | Optical sensor size: 1/2.7 | Sensor type: CMOS | Number of lenses: 1 | Focal length range: 2.8 - 6 | Maximum aperture number: 1.4 | Detect distance (wide): 63.6 | Identify distance (wide): 6.4 | Observe distance (wide): 25.4 | Recognize distance (wide): 12.7 | Night vision: Yes | LED type: IR | Number of illumination LEDs: 2 | Maximum resolution: 2960 x 1668 | Total megapixels: 5 | Video formats supported: H.264/H.264B/H.265/M-JPEG | Frame rate: 30 | Noise reduction: Yes | Noise reduction technology: 3D noise reduction | Gain control type: Auto | Back Light Compensation (BLC): Yes | Bit rate: H.264: 3 kbps-8192 kbps H.265: 3 kbps-8192 kbps | Bit rate control: Constant Bit Rate (CBR)/Variable Bit Rate (VBR),Variable Bit Rate (VBR) | Highlight Compensation (HLC): Yes | Privacy masking: Yes | Region of Interest (ROI) encoding: Yes | Smart IR: Yes | Audio input channels: 1.0 | Audio output channels: 1.0 | Audio formats supported: DSS | Voice codecs: G.711a/G.711Mu/G.723/G.726/PCM | 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; PPPoE; SNMP | Wi-Fi: No | Bluetooth: No | Number of users: 20 | Quality of Service (QoS) support: Yes | Streaming method: Multicast | Built-in HDD: No | Card reader integrated: Yes | Compatible memory cards: MicroSD (TransFlash) | Maximum memory card size: 256 | ROM capacity: 128 | RAM capacity: 512 | Web-based management: Yes | Web browser: Yes | Behavior analysis: Intrusion detection | Power source type: DC,PoE | Power consumption (Power over Ethernet (PoE)): 4.6 | DC output voltage: 12 | Operating temperature (T-T): -40 - 60 | Storage temperature (T-T): -40 - 60 | Mobile operating systems supported: Android/iOS | Height: 111 | Diameter: 64.8 | Weight: 423 | Package weight: 530 | Number of cameras: 1 | Unit Calculated Weight: 0.615 | Product Net Weight: 0.423 | Unit Calculated Volume: 0.002853 | Units per Shipping Box: 20 | Units per Pallet: 0 | Shipping Box Height: 26.6000003814697 | Name: NET CAMERA 5MP IR DOME/HDBW3541F-AS-0280B-S2 DAHUA | Model: IPC-HDBW3541F-AS-0280B-S2

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