

DH-SD6C3432GB-HNR-AGQ-PV1-EAU

4MP 32x Starlight TiOC WizSense Network PTZ Camera



Wiz Sense

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.

System Overview

The Three-in-One Camera (TiOC) solution combines 24/7 monitoring, active deterrence and real-time alarms with artificial intelligence into one smart, innovative solution. TiOC PTZ cameras adopt auto-tracking 3.0 technology, greatly improving the monitoring scope of key targets. For distributors and installers, it not only saves time, but also reduces cost.

Functions

Starlight Technology

With advanced image processing technology and optical technology, Dahua Starlight technology can provide clear colorful video in the environment of low illuminance. It widely applies to various environments of low illuminance.

PFA Technology

PFA technology has introduced new methods of judgment that ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms that ensure image clarity when zooming and that shorten focus time. This makes the camera highly advanced in its functions, substantially improving the quality of your experience.

- · 1/2.8" 4Megapixel STARVIS™ CMOS.
- · 32x optical zoom.
- \cdot Starlight technology.
- Max. 25/30fps@4MP.
- \cdot IR distance up to 150 m.
- \cdot Auto-tracking 3.0.
- · Perimeter protection.
- · Face detection.
- ·4G
- · SMD 4.0.
- · Smart Dual Light.
- · IP66.



Wide Dynamic Range

The camera produces vivid images, even in high-contrast lighting conditions, by using industry-leading wide dynamic range (WDR) technology. For scenes that quickly alternate between bright and low lighting, WDR adjusts to fully capture both the bright and dark areas of a scene, producing superior quality videos.

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.

Protection (-10% to +25%, 6 kV)

Designed with -10% to +25% input voltage tolerance, the camera is suitable for even the most unstable outdoor conditions. Its 6 kV lightning rating ensures protection against lightning for both the camera and its structure.

Siren and Light Active Deterrence

The camera supports the red-blue light alarm and voice alarm when perimeter event occurs, to realize the deterrence and effective intervention. The camera is built in the alarm voice, and supports customized voice importing.

Wiz Sense | DH-SD6C3432GB-HNR-AGQ-PV1-EAU

| | Technical Specification | | IVS (Perimeter Protection) | |
|--|----------------------------|---|----------------------------|--|
| Image Sentor22.425 (2005)South Sector 2005)South Sector 2 | Camera | | | |
| PeriodAMPMax. Reaction25000/14/07/15RoM24000/14/07/15RoM14/2000/14/07/15Bank14/2000/14/07/15Electron Shuter Speece14/2000/14/07/15Stanning System24/2000/14/07/15Binnination2002/2000/14/07/15Stanning System24/2000/14/07/15Min Illumination2002/2000/14/07/15Stanning System2002/2000/14/07/15Hillumation Disance2007/14/21/10/10/14Stanning System2002/2000/14/07/15Hillumation Disance2007/14/21/10/14Stanning System2007/14/21/10/14Hillumation Disance2007/14/21/10/14Stanning System2007/14/21/10/14Hillumation Disance2007/14/21/10/14Stanning System2007/14/21/10/14Hillumation Disance2007/14/21/10/14Hillumation Disance2007/14/21/10/14Hillumation Disance2007/14/21/11/14Hillumation Disance2007/14/21/11/14Hillumation Disance2007/14/21/11/14/14/14Hillumation Disance2007/14/21/11/14/14/14Hillumation Disance2007/14/21/11/14/14/14/14Hillumation Disance2007/14/21/11/14/14/14/14/14/14Hillumation Disance2007/14/21/11/14/14/14/14/14/14Hillumation Disance2007/14/21/11/14/14/14/14/14/14/14/14/14/14/14/14 | Image Sensor | 1/2.8" CMOS | | |
| Max. BealtationProduction (Max. Particle)Production (Max. Particle)Production (Max. Particle)Dedected (Max. Part | Pixel | 4 MP | | pictures, uploading high-quality face snapshots and |
| NOMA GBRAMI GBRAMI GBRAMI GBRAMI GBBetconde SystemI GABetconde SystemI GAScanning SystemI GAScanning SystemI GAScanning SystemI GAScanning SystemI GAScanning SystemScanning System | Max. Resolution | 2560 (H) × 1440 (V) | Face Detection | supported, where 6 attributes and 8 expressions can be detected. Face cutout is also offered, where you can cutout one face at a time and customize the size to be a one-inch photo. The supported methods for capturing snapshots are real-time capturing, quality |
| RAM168Image: The set of the set | ROM | 4 GB | | |
| Electronic Shutter Speed 1=-J30000 Scarning System Progressive Second State J4 (J40 KM) SUBE / J40 KM (SUBE / J40 KM) SUB / J40 KM (SUBE / J | RAM | 1 GB | | |
| Standing SystemProgressizeNote that State S | Electronic Shutter Speed | 1 s-1/30,000 s | | |
| Min. Illumination | Scanning System | Progressive | | white, and black. An alarm will be triggered when a person is not wearing a helmet or when the color of the helmet that they are wearing does not match the configured color. It also supports compliance detection for work uniforms. Up to 5 work uniform sample libraries can be uploaded, which together can contain up to 1,000 images (the images must be 1080p and in the JPG format). An alarm will be triggered when the similarity between the detected work uniform and the samples in the library is below the set threshold (that is, below the minimum compliance standard for work uniforms). The system |
| Itumination Distance Some (EGA 441 () while legit) Some (EGA 441 () while legit) iii luminator On/Off Control Zoom Prix, Manual, Auto, Off Construction Detection Figure of while legits of the uniform, and the samples in the library is parter by the other and the samples in the library is parter by the other and the samples in the library is parter by the other an interparter by the other and the samples in the library is parter by the other and the sample in the library is parter by the other and the sample in the library is parter by the other and the sample in the library is parter by the other and the sample in the library is parter by the other and the sample in the library is parter by the other and the sample in the library is parter by the other by th | Min. Illumination | 0.0005 lux@F1.6 (B/W, 30 IRE); | | |
| number2000 The duration of the control o | Illumination Distance | | | |
| Illuminator Number2 (Rt gmt, 2 (qualinger tubol)LensFocal Length4.8 mm-154 mmMax. Aperture $21.6 + 74.0$ Field of View $41.5 + 74.0$ Max. Aperture $21.6 + 74.0$ Field of View $41.5 + 5.8 + -3.7 + 3.1 + 1.3 + 0.63.7 + 2.7 + 1.4 + 1$ | Illuminator On/Off Control | Zoom Prio; Manual; Auto; Off | Construction Detection | |
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| Max. ApertureFL6=F4.0FEG=F4.0In the construction site, and when no one is present in the detection races als day has a volve leave that post or an area is left unmanned.Field of ViewH: 55.8°-2.3°, V: 31.9°-1.3°, D: 63.7°-2.7°Auto TrackingAuto TrackingAuto Tracking 3.0Optical Zoom3/xImage: Single Sing | Focal Length | 4.8 mm–154 mm | | detected as not meeting the set requirements. It also |
| Field of ViewH: 55.8°-2.3°, V: 31.9°-1.3°, D: 63.7°-2.7°post or an area is left unmanned.Optical Zoom $32 \times$ Auto TrackingAuto Tracking 3.0Focus ControlAuto, semi-auto, manualSMDSMD.0Close Focus Distance $0.1 m-1.5 m (0.33 ft-4.92 ft)$ Uses deel parning algorithms and works who haves people and motor vehicles, and search through hume and recorded vehicles or quick plot of the tragets, such as people and motor vehicles, and search through hume hume houses to quick plot or an area is left unmanned.Dorit DistanceDetectObserveIdentify and recorded vehicles to quick plot or and rarget is detected and makes the comera link with the PTZ to rotate to the people and motor vehicles, and search through hume hume houses to quick plot or and rarget is detected and molect to targets.Auto PartolManual Control SpeedPart: 2010 (0.101 plot 2011 of 01) (0.2011 of 01) (0.20 | Max. Aperture | F1.6-F4.0 | | in the construction site, and when no one is present in |
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| Lote Counce Out in Hom (counce in a point) Iris Control Auto; manual DoRi Distance Detect Observe Recognize Identify Acupick and recorded videos to accurately match targets, such as an arget is detected and matches, and search through live, and recorded videos to quickly locate targets. Auto Patrol PTZ Preset Speed Pan: 0° to 360° endless mit: 0(100.90° ft) (100.00° ft) Preset Speed Pan: 20° to 490°, auto ftip 180° Itt: 100°/s Preset Speed Pan: 20°/s; Tit: 150°/s Sound Warning Preset Speed Sound y arreing alarm: Customizable voltable to the Video Stream 11 Preset Speed Sound y arreing alarm: Customizable voltable to the Video Stream 11 Preset Speed Sound y arreing alarm: Customizable voltable to the Video Stream 11 Preset Speed Suppresets per tour) Video Compression Preset Speed Suppresets per tour) Streaming Capability Scan Suppresets per tour) Streaming Capability Power-off Memory Yes Streaming Capability Video Katadata Detects motor and non-motor vehicles, faces and human bodies, target stards attributes from motor vehicles, faces and human bodies, tattributes from motor vehicles, faces and portinges inages. It estratts attributes from motor vehicles, faces and portinges inages. It estratts attributes from motor vehicles, faces and portinges inages. It estratts a | Focus Control | Auto; semi-auto; manual | SMD | SMD4.0 |
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| DOR Distance 3.00 m 1.216 fm 01m 00m PTZ Pan/Tilk Range Pan: 0' to 360° endless Tilk: -20° to +90°, auto flip 180° Active Deterrence Pan/Tilk Range Pan: 0' to 360° endless Tilk: -20° to +90°, auto flip 180° Active Deterrence Manual Control Speed Pan: 240′s; Tilk: 150′s Ight Warning Red-Blue light warning Preset Speed Pan: 240′s; Tilk: 150′s Sound Warning alarm: Customizable Volume: Volume: 0-100 Alarm duration: 5 a-30 s Preset 300 Video Preset 300 Video Pattern 5 Streaming Capability 3 streams Scan 5 Streaming Capability 3 streams Power-off Memory Yes Streaming Capability 3 streams Idle Motion Pattern; Video substity face images and snaphschs, uploads high-quality face images and optimizes images, it extracts attributes from motor whileds, aftering uploads high-quality face images and optimizes images, it extracts attributes from motor whileds, aftering uploads high-quality face images and optimizes images, it extracts attributes from them. Bit Rate Control CBR/VBR | Iris Control | Auto; manual | Асиріск | |
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| Pan/Tilt RangePan: 0° to 360° endless Tilt: -20° to +90°, auto flip 180°Light WarningRed-Blue light warning Flash duration: 5 s-30 s Flash frequency: High, medium, lowManual Control SpeedPan: 240°/s; Tilt: 0.1′s-120′sSound Warning alarn: Customizable Volume: Volume: 0-100 Alarm duration: 5 s-30 sPreset SpeedPan: 240°/s; Tilt: 150′sSound WarningSound warning alarn: Customizable Volume: Volume: 0-100 Alarm duration: 5 s-30 sPreset300VideoH.264H; H.264B; Smart H.265; H.1264; H.265; Smart H.264H; H.264B; Smart H.265; H.1264; H.265; Smart H.264H; MJPEG (Sub Stream 1)Pattern5Streaming Capability3 streamsScan5Streaming Capability3 streamsPower-off MemoryYesStreaming Capability3 streamsIntelligenceVideo Frame RateMain stream: 4M/3M/2304 × 1296/1080p/1.3M/720P (1-25/30 fps) sub stream 1: D1/VGA/CIF@ (1-25/30 fps) sub stream 2: 1080p/1.3M/720P/CIF@(1-25/30 fps) su | DT7 | (10104.99 ft) (3991.47 ft) (2021.00 ft) (1010.50 ft) | Active Deterrence | |
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| Preset Speed Tilt: 150% Preset 300 Video Wideo Compression Tour 8 (up to 32 presets per tour) Video Compression H.264H; H.264B; Smart H.265+; H.265; Smart H.265; Smart H.265; Smart H.265+; H.264; H.265; Smart H.265+; H.264+; MJPEG (Sub Stream 1) Scan 5 Scan 5 Power-off Memory Yes Idle Motion Pattern; Preset; Scan; Tour Intelligence Main stream: 4M/3M/204 × 1296/1080p/1.3M/720p Video Metadata Detects motor and non-motor vehicles, faces and human bodies. It also performs tracking, takes snapshots, upleads high-quality face images and optimizes images. It extracts attributes from motor vehicles, detecting up to 10 attributes from motor vehicles, detecting up to 10 attributes for them. Video Metadata Detects motor and non-motor vehicles from motor vehicles, detecting up to 10 attributes for them. | Manual Control Speed | Tilt: 0.1°/s-120°/s | Sound Warning | Volume: Volume: 0-100 |
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| | | | Video Bit Rate | H.264: 96 Kbps–14,848 Kbps H.265: 38 Kbps–8,960 Kbps |

Wiz Sense | DH-SD6C3432GB-HNR-AGQ-PV1-EAU

| Day/Night | Auto (ICR); Color/B/W | | | |
|------------------------------------|--|--|--|--|
| BLC | Yes | | | |
| WDR | 120 dB | | | |
| HLC | Yes | | | |
| White Balance | 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 | Electronic Image Stabilization (EIS) | | | |
| Defog | Electronic | | | |
| Digital Zoom | 16× | | | |
| Image Rotation | 180° | | | |
| Privacy Masking | Up to 24 areas can be set, with up to 8 areas in the same view; Multiple colors available | | | |
| S/N Ratio | ≥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) | | | |
| Wireless Carrier Frequency Band | LTE-FDD: Seven-Band B1/3/5/7/8/20/28 LTE-TDD: Tri-Band 38/40/41 WCDMA: Tri-Band 1/5/8 GSM: Band3/5/8 | | | |
| Power Transmission | CE: 4G: Power class3: 23 dBm ±2.7 dB 3G: Power class3: 24 dBm +1/-3 dB 2G: Power class0: 30 dBm ±2 dB (GSM1800/1900) Power class5: 33 dBm ±2 dB (GSM850/900) | | | |
| Network Protocol | FTP;RTMP;IPv6;Bonjour;IPv4;DNS;RTCP;PPPoE;NTP;RT P;802.1x;QoS;HTTPS;SNMP;TCP/IP;DDNS;UPnP;NFS;IC MP;UDP;IGMP;HTTP;SSL;DHCP;SMTP;RTSP;ARP | | | |
| Interoperability | ONVIF (Profile S & Profile G & Profile T); CGI; SDK | | | |
| Streaming Method | Unicast; Multicast | | | |
| User/Host | 20 (total bandwidth: 64 M) | | | |
| Storage | Micro SD card (512 GB); FTP/SFTP; NAS | | | |
| Browser | IE 9 and later versions; Chrome 41 and later versions; Firefox 50 and later versions; Safari 10 and later versions | | | |
| Management Software | DMSS; DSS Pro | | | |
| Mobile Client | iOS; Android | | | |
| Port | | | | |
| RS-485 | 1 (baud rate: 1200 bps-9600 bps) | | | |
| Audio Input | 1 channel (LINE IN, bare wire) | | | |
| | | | | |

| Audio Output | 1 channel (LINE OUT,bare wire; built-in speaker (mutually exclusive) | | | |
|-----------------------|--|--|--|--|
| Alarm Input | 2 (on-off value input: 0–5 VDC) | | | |
| Alarm Output | 1 channel | | | |
| Alarm Linkage | Capture; recording; send email; preset; tour; pattern; alarm digital output; audio; warning light | | | |
| Alarm Event | Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection | | | |
| Power | | | | |
| Power Supply | 12 VDC, 4 A (-10% to +25%) | | | |
| Power Consumption | Deep sleep: 0.12 W Light sleep: 2.64W Basic: 7 W (not pulling stream in 4G); 8 W (pulling stream in 4G); Basic: 11 W (illuminator + not pulling stream in 4G), 12 W (illuminator + pulling stream in 4G) Max: 18 W (illuminator + red and blue alarm lights + speaker + 4G + PTZ) | | | |
| Environment | | | | |
| Operating Temperature | –40 °C to +70 °C (–40 °F to +158 °F) | | | |
| Operating Humidity | ≤ 95% | | | |
| Protection | IP66; TVS 6000 V lightning proof; surge protection; voltage transient protection | | | |
| Structure | | | | |
| Product Dimensions | 325.0 mm × Φ211.0 mm (12.80" × Φ8.31") | | | |
| Net Weight | 4.2 kg (9.26 lb) | | | |
| Gross Weight | 6.7 kg (14.77 lb) | | | |

| Ordering Information | | | | |
|----------------------|-----------------------------------|--|--|--|
| Туре | Model | Description | | |
| PTZ Camera | DH-SD6C3432GB-HNR- AGQ-PV1-EAU | 4MP 32x Startlight TiOC WizSense Network PTZ Camera | | |
| | SD6C3432GB-HNR-AGQ- PV1-EAU | 4MP 32x Startlight TiOC WizSense Network PTZ Camera | | |
| Accessories | PFB305W | Wall Mount Bracket | | |
| | DC12V/4A | Power Adapter | | |
| | PFA111 | Mount Adapter | | |
| | PFB301C | Ceiling Mount Bracket | | |
| | PFB300C | Ceiling Mount Bracket | | |
| | PFA126 | Junction Box | | |
| | PFA150 | Pole Mount Bracket | | |
| | PFA151 | Corner Mount Bracket | | |
| | PFB301S-E | Plane Mount Bracket | | |
| | PFB303S | Parapet Mount Bracket | | |

Wiz Sense | DH-SD6C3432GB-HNR-AGQ-PV1-EAU

Accessories

Included:



PFB305W Wall Mount Bracket

Optional:



PFA111 Mount Adapter



PFA126 Junction Box



PFB301S-E Plane Mount Bracket

DC12V/4A Power Adapter



PFB301C Ceiling Mount Bracket



PFA150 Pole Mount Bracket



PFB303S Parapet Mount . Bracket



Ceiling Mount Bracket



PFA151 Corner Mount Bracket



Dimensions (mm[inch])





Φ211.00[Φ8.31]



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