

4MP Wi-Fi Battery Video Doorbell

DH-DB43BB-BTR



Series Overview

The WiFi Video Doorbell is a new addition to the Dahua Wireless series. It not only delivers 2K high-resolution imagery, but also captures more details than conventional fixed lenses through its ultra-wide fisheye lens. The doorbell features passive IR motion detection and transmits videos and audios to mobile devices, allowing you to remotely perform visual confirmation and communicate with visitors. Furthermore, it is compatible with 2.4G/5G Hz Wi-Fi 6 networks, enhancing its connectivity options.



4MP
Clear images with sharp details



H.265
Advanced H.265 compression technology



Supports Micro SD Card
Low-cost storage



Leave Messages
Visitors can leave audio and video messages



Loitering Detection
AI detects when people are staying in the specific area for a certain duration



Package Detection
AI detects left and removed packages



Offline Chime Ringing
Chime rings even when the Wi-Fi network is disconnected



AI Precise Detection with Quick Wake Up
Accurate human and vehicle detection with instant alerts



Long-lasting Power
Support persistent operation of device



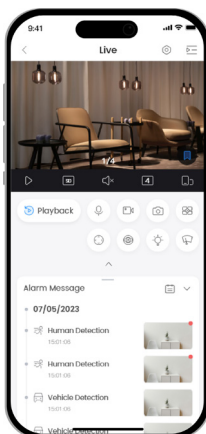
Night Light
Provides gentle illumination for interference the doorway and enhances visibility at night



Wi-Fi 6
Seamless integration of speed and anti-interference



Bluetooth Pairing
Fast pairing with Bluetooth



Upgrade Your Experience with DMSS

Intuitive AIoT app for individual security



Remote Management
Live view and recording history



Easy sharing
Safer device sharing with family and friends



Notifications and Alerts
Accurate and timely



High Security
Stay secure with all data encrypted





Specifications

Camera

| | |
|-----------------------|----------------------------|
| Image Sensor | 1/3.11" CMOS |
| Max. Resolution | 2048 (H) × 2048 (V) |
| Illumination Distance | Up to 10 m (32.81 ft) (IR) |
| Illuminator Number | 2 (IR LED) |
| Lens Type | Fixed-focal |
| Focal Length | 0.98 mm |
| Max. Aperture | F2.2 |
| Field of View | H:180°,V:180° |

Intelligence

| | |
|---------------------|-----|
| Human Detection | Yes |
| Vehicle Detection | Yes |
| Loitering Detection | Yes |
| Package Detection | Yes |

Audio and Video

| | |
|-------------------|--|
| Video Compression | H.265 |
| Video Frame Rate | Main stream: 2048 × 2048@(1–15 fps)/1440 × 1440@(1–15 fps)/1024 × 1024@(1–15 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity. |
| Video Bit Rate | H.265: 32 kbps–2048 kbps |
| Day/Night | Auto(ICR)/Color/B/W |
| WDR | DWDR |
| Motion Detection | OFF/ON (4 areas, rectangular) |
| Built-in MIC | Yes, built-in Mic |
| Built-in Speaker | Yes, built-in speaker |
| Audio Compression | G.711a; G.711Mu; PCM |

Audio Compression

| | |
|-------|--|
| Wi-Fi | IEEE 802.11a/b/g/n/ac/ax 2.412–2.472 GHz, 2.4G, EIRP≤20 dBm & 5.15–5.25 GHz, 5G, EIRP≤23 dBm@5150–5250 MHz |
|-------|--|

| | |
|---------------------|-------------------------------------|
| Wi-Fi Pairing | Bluetooth pairing |
| Storage | Micro SD card (support max. 512 GB) |
| Management Software | DMSS |
| Mobile Client | Android;iOS |

Wireless

| | |
|-------------------------|---------------------------------------|
| Carrier Frequency | 868.0 MHz–868.6 MHz |
| Communication Mechanism | One-way |
| Communication Distance | Up to 100 m (328 ft) in an open space |

General

| | |
|-----------------------|--|
| Certifications | CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU |
| Power Supply | USB (5 VDC±5%, 2 A) or binding post power supply (12–24 VDC/8–24 VAC, 1 A) |
| Power Consumption | Power saving mode: 0.004 W; Performance mode: 1.4 W |
| Operating Temperature | –20 °C to +50 °C (–4 °F to +122 °F) |
| Operating Humidity | ≤95% (RH), non-condensing |
| Protection | IP65 |
| Anti-corrosion Level | Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection. |
| Camera Button | Call Button; Reset Button |
| Casing Material | Plastic |
| Product Dimensions | 160 mm × 53 mm × 38.7 mm (6.3" × 2.09" × 1.52") (L × W × H) |
| Net Weight | 0.31 kg (0.68 lb) |
| Battery | |
| Energy | 36Wh |
| Nominal Capacity | 10000mAh |

What's in the box



Tools:

- Installation Kit x 1
- Pin x 1
- Mounting Bracket x 1
- 3M Adhesive x 1

Documents:

- Quick Start Guide x 1
- Legal and regulation information x 1

Power:

- Power Cable x 1

