

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



× 1



Tools:

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



Documents:

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



Power:

- Power Cable × 1

