DHI-ARD1731-W2(868)

Dahua Wireless PIR-Camera（Black）

- Supports IR detection and video review.
- Maximum resolution 1600 × 1200.
- One-week cloud cache for videos and images.
- Quick image transfer.
- IR illumination range of 12 m at night.
- Multiple resolution modes available.
- Detection range: 12 m/86°.
- Pet immunity function.
- Auto temperature compensation.
- 3 adjustable sensitivity levels.
- Low battery warning alarm.
- Temperature monitoring.
- Offers frequency hopping and two-way communication technology, ensuring the stability of communication.
- Cloud update and automatic recovery from update failure.

Series Overview

With its built-in 2 MP CMOS image sensor, PIR-Camera captures high-definition snapshots when it detects intrusions, transmitting them to the alarm hub, where they are then sent to the mobile app or alarm center (CMS/ARC) for you to perform visual alarm verification. The camera harnesses 2.4G RF-HD transmission technology to improve the resolution of images and the speed they are transmitted at. Built to keep you safe, the camera actively protects your privacy by only taking snapshots when an intrusion occurs.

Technical Specification

Video & Audio

Field of View	88° (H); 68° (V
Image Type	JPEG
Resolution	1600 × 1200; 1280 × 960; 640 × 480; 320 × 240
Frame Rate	2
Illumination Mode	Infrared Light
Illumination Range	12 m (39.37 ft)
Day/Night Switch	Color/Black & White

Function

Indicator Light	1 × green alarm indicator
Button	1 × power switch
Remote Update	Cloud update
Low Battery Detection	Yes
Tamper	Tamper alarm

Technical

Detection Mode	PIR

Sensitivity	3 levels adjustable
Detection Range	12 m (39.37 ft) (86°) with installation height of 2.2 m (7.22 ft)
Detection Speed	0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)
Pet Immunity Level	≤18 kg (39.68 lb)
White Light Resistance Level	2000 lux
Two-way Digital Temperature Compensation	Yes
Scenario	Indoor
Operating Current	2 A (Max), 65 uA (Standby) (Battery 3V)

Wireless

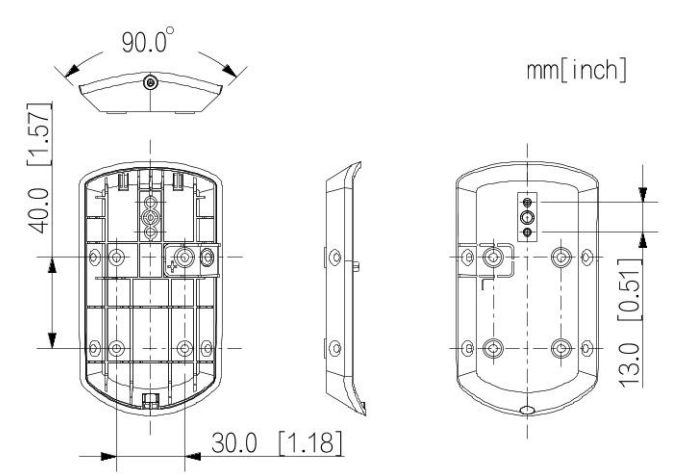|	
Carrier Frequency	RF: 868.0 MHz–868.6 MHz RF-HD: 2.4 GHz (Upload images at high speed) 865.340 MHz–866.66 MHz (Upload images at normal speed)
Transmitter Power (EIRP)	Limit 25 mW
Communication Mechanism	Two-way
Communication Distance	RF: Up to 1,600 m (5,249.34 ft) in an open space RF-HD: Upload images at high speed: Up to 300 m (984.25 ft) in an open space Upload images at normal speed: Up to 1,600 m (5,249.34 ft) in an open space

Encryption Mode	AES128
Frequency Hopping	Yes

General

Power Supply	CR123A*3
Battery Life	4 years (if triggered twice a week with a battery efficiency of 70%)
Power Consumption	6 W (Max), 0.2 mW (Standby)
Operating Temperature	−10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	10%–90% (RH)
Product Dimensions	71.0 mm × 53.2 mm × 127.6 mm (2.80" × 2.09" × 5.02")
Net Weight	202 g (0.45 lb)
Gross Weight	333 g (0.73 lb)
Installation	Wall mount
Protection	PC + ABS
Certifications	CE EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020 EN 50131-2-2:2021 EN 50131-6:2017 EN 50131-5-3:2017 EN 50130-4:2011 + A1:2014(+) Security Grade 2 Environmental Class II
Anti-corrosion Level	Basic Protection
Storage Temperature	−10 °C to +55 °C (+14 °F to +131 °F)
Storage Humidity	10%–90% (RH)
Packaging Dimensions	121.0 mm × 65.0 mm × 170.0 mm (4.76" × 2.56" × 6.69") (L × W × H)

Wi-Fi

Wi-Fi Standard	802.11b/g/n
Wi-Fi Frequency Range	2400-2483.5MHz
Wi-Fi Power Transmission	CE EIRP: ≤20dBm@2400-2483.5MHz FCC output power: ≤30dBm@2400-2483.5MHz

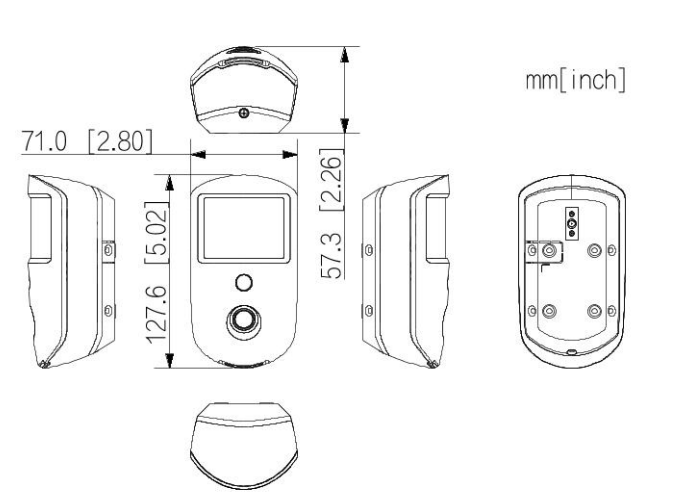## Ordering Information

Type	Model	Description
Wireless PIR-Camera	DHI-ARD1731-W2(868)	Dahua Wireless PIR-Camera (Black)

Installation

Dimensions (mm[inch])

Application