alhua
TECHNOLOGY

DHI-KAPTURE-W2
Wireless antimasking curtain outdoor DT detector

· Communication Distance up to 1.200 mt.

· Wireless curtain PIR up to 12m for side.

· Completely independent detection setting per side

· Low battery alarm.

· Active infrared antimasking.

· Temperature measurement.

· Frequency hopping function and two-way communication technology ensure communication stability.

· Cloud update and automatic recovery from update failure.

System Overview

Wireless curtain DT detector designed for perimeter protection a buildings awning. The detection, with a range of up to 12m, is entrusted to combination of a passive infrared element of a latest 24GHz pulsed microwave transceiver generation.   .

Scene

Ideal for the protection of facades, windows, hallways and porches.   .

Technical Specification

Technical features

Detection method	1 passive infrared (Fresnel lens) + 1 planar 24GHz pulsed microwave
Mouthing height	2.0 to 4.0 mt
PIR coverage	12.0 mt
Vertical opening	About 73 °
Horizontal opening	About 7.5 °
Orientation	Possibility of vertical inclination by means of an angle bracket (included)
Sensitivity adjustment	Combined adjustment for both heads from 30% (L) to 100% (H) (via potentiometer) Independent adjustment for each head from 30% (L) to 100% (H) (by App ViewSensor)
Manual walk-test	Combined for both heads with LED

Walk-test wireless BT	Walk-test and BT wireless programming by VIEW SENSOR App (with optional BT-LINK-S module)
Digital analysis	DUALSENSE algorithm for digital validation of the combined infrared and microwave signal. Automatic temperature compensation
Self-protection	(1) Active IR anti-masking (2) Mechanical anti-opening (3) Anti-tear with digital inclinometer
Power input	2 to 3 V DC
Alarm output	Alarm, tamper, masking, low battery (optomos NC outputs)
LED indicator	Red LED for infrared (only in walk-test) Blue LED for alarm (can be deactivated)
Operation temperature	-40° C to + 70° C
Relative humidity	95% max.
International protection	IP 55
Mouthing	Wall, pole (outdoor, indoor)
Dimension	128 x 41 x 81 mm
Weight	400 gr

Accessories

DH-LINK-S

· Six types of alarm: intrusion, medical, fire, emergency, gas, and tamper.
· NC and NO are avaliable for alarm inputs (NO by default).
· Signal strength detection.
· Low battery alarm.
· Temperature mornitoring.
· Frequency hopping function and two-way communication technology ensure communication stability.
· Cloud update and automatic recovery from update failure.

Transmitter Technical Specification

Port

Indicator Light	1 × green alarm indicator
Button	1 × power button
Protection Zone	1-channel dry contact input

Function

Tampering Alarm	Yes
Remote Upgrade	Cloud update
Low Battery Alarm	Yes
Test Mode	Yes
Search	Signal strength detection

Wireless

Carrier Frequency	868.0 MHz–868.6 MHz
Communication Distance	Up to 1,200 m (3,937.01 ft) in an open space
Communication Mechanism	Two-way
Frequency Hopping	Yes
Encryption Mode	AES128
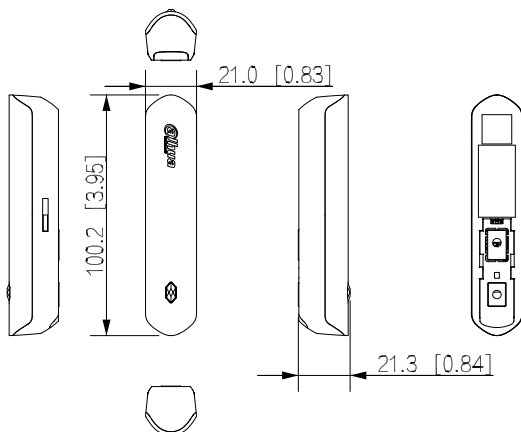
General

Power Supply Mode	CR123A battery
Power Consumption	Max. 125 mW
Operating Temperature	−10 °C to +55 °C (+14 °F to +131 °F) (indoor)
Operating Humidity	10%–90% (RH)
Dimensions	100.2mm × 20.8mm × 20.3mm (3.94" × 0.82" ×0.80")
Package Dimensions	135.0 mm × 98.5 mm × 27.8mm (5.31" × 3.88" × 1.09")
Installation Mode	Bracket mount
Net Weight	70 g (0.15 lb)
Gross Weight	115 g (0.25 lb)
Certification	CE
Battery Life	NO: 5 years NC: 2 years
Casing Material	PC + ABS

Temperature

Measurement Range	−15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)
Measurement Precision	± 1 °C (± 33.8 °F)
Resolution	1 °C (33.8 °F)

Dimensions (mm[inch])

21.0 [0.83]

100.2 [3.95]

21.3 [0.84]

RF868

Alarm Hub

Wireless Input Expander

Outdoor DT detector