DS-PDP18-EG2
PIR Detector



DS-PDP18-EG2 series of passive infrared detectors are equipped with dual-element infrared sensor and 3D Fresnel lens technology. Its detection range can reach 18 meters. When moving objects are detected in the detection area, the detector will output the alarm signal that has been filtered by the circuit, analyzed and calculated by microprocessor algorithm. It is suitable for various indoor scenes.

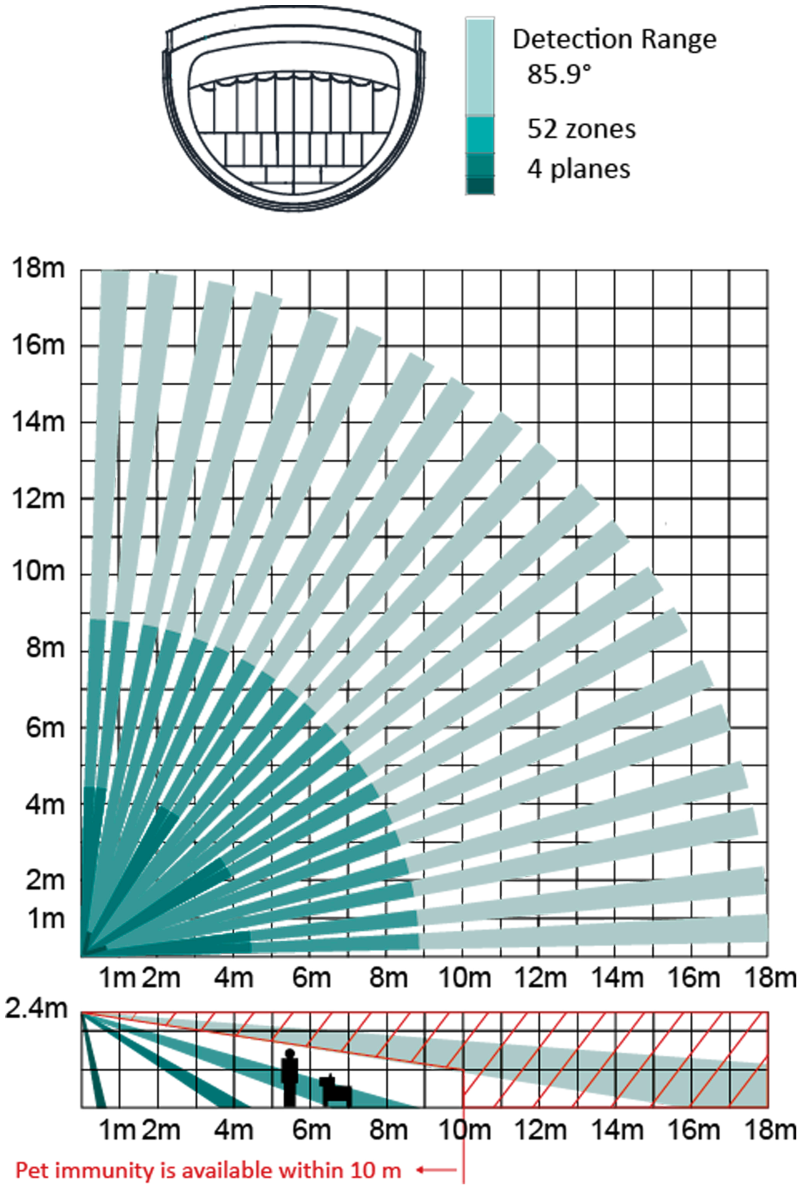
Available Model

DS-PDP18-EG2

Key Features

- Optional/Automatic sensitivity
- Up to 18m detection range
- Digital temperature compensation
- 52 zones of 3D optics including creep-zone protection, full coverage without dead angle
- selectable EOL resistors for alarm and tamper-proof wiring
- Sealed optics preventing insect invasion interference
- Global certifications available (EN Grade2/CE/FCC/CB/IC/RCM/KC)
- 9 to 16 V wide voltage adaptation with polarity reverse connection protection
- Wall/Ceiling-mounting brackets available (sold separately)
- IFT technology prevents false alarms

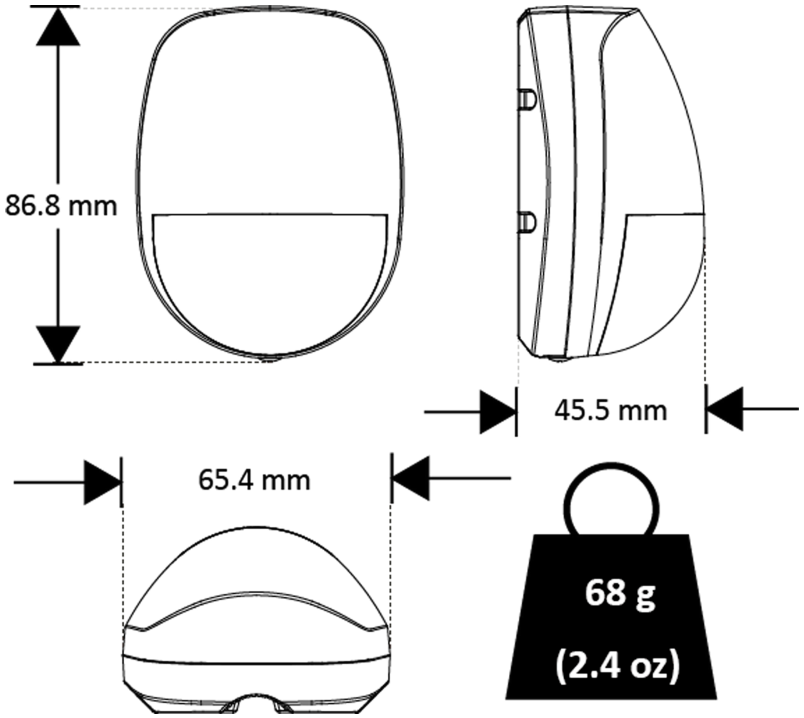
Lens Diagram



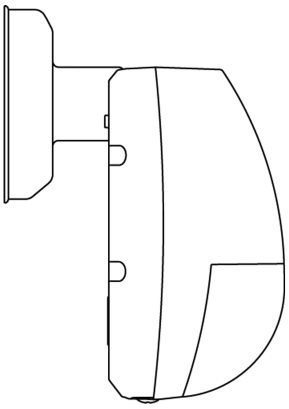
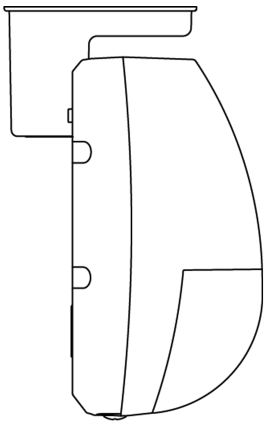
Note:

- To use the pet immunity function, please install a pet mask.
- PET immunity is available up to 10 m and at a height that is below the top plane of view.

Installation



Dimension

Mounting Type	Schematic Diagram	Mounting Type	Schematic Diagram
Wall Mounting		Ceiling Mounting	

Specification

DS-PDP18-EG2	
Detection range	18 m, 85.9°
Detection speed	0.3 to 2 m/s
Sensitivity	High, auto, and low
Auto sensitivity	Yes
Onboard EOL	Yes
Digital temperature compensation	Yes
Technology	Digital microprocessor based
SEC technology	Yes
Sealed optics	Yes
Creep zone protection	Yes
Direct light filter	6500 lux
Tamper protection	Front
LED indicator	Blue (alarm)
Pet immunity	10 kg (with optional pet mask)
Power supply	9 to 16 VDC (standard: 12 VDC)
Current consumption	11 mA quiescent; 8 mA alarm
Operating temperature	-10 °C to 55 °C (14 °F to 131 °F) -10 °C to 40 °C (14 °F to 104 °F) Certified
Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operating humidity	10% to 90%
Installation height	1.8 m to 2.4 m
Dimension (H × W × D)	86.8 mm (3.42 ") × 65.4 mm (2.57 ") × 45.5 mm (1. 79 ")
Weight	68 g (2.4 oz)
Bracket	Optional wall & ceiling accessory

Distributed by

Headquarters
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Malaysia
T +601-7652-2413
sales.my@hikvision.com

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com

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