DH-PFM861-B100

Radar System

Features

- Active detection: 24-hour continuous detection.
- Stereo protection: stereo space, all round protection.
- Real-time scanning: 8 times electronic scanning per second.
- Electronic perimeter: free setting the protection area and time.
- Radar-PTZ linkage solution: realize the perfect combination of the video and the radar.
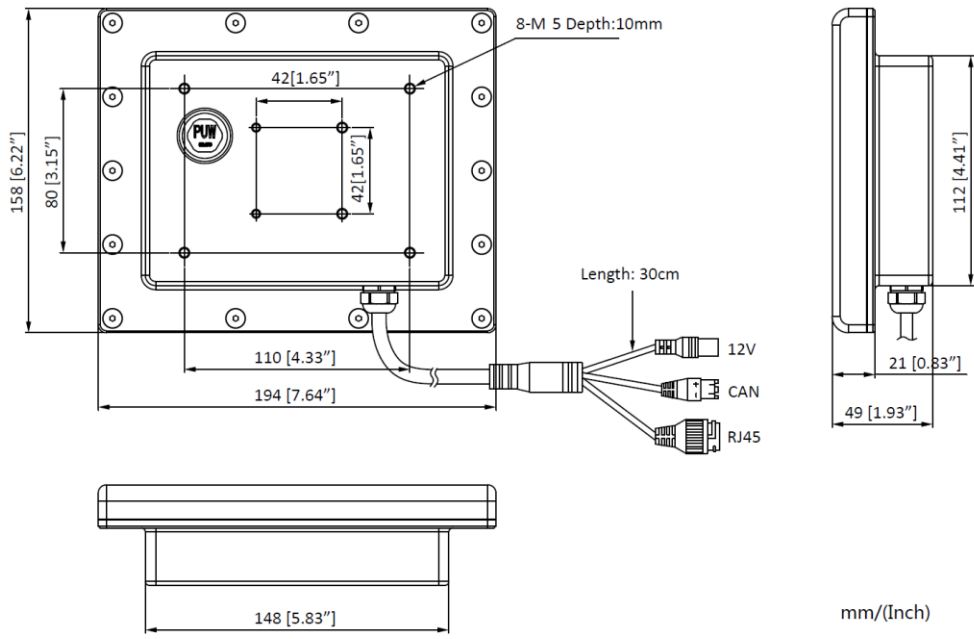
Technical Specifications

Model	DH-PFM861-B100
Basic Parameter	
Radar type	Radar system
Working frequency	24.05~24.20GHz
Transmit power	16dBm
Network interface	RJ45
Detecting mode	Doppler, slow-moving, quick-through.
Detection Target	
Target type	Human/Vehicle/Animal
Max. target number	32
Detection Range	
Distance	Human(1.8mx0.5m) ≤100m(328.08ft)
	Vehicle(2.3mx2.3m) ≤160m(524.93ft)
Angle(horizontal)	90°
Angle(vertical)	13° (-6dB)
Scan frequency	8Hz
Installation height	1～3m(3.28~9.84ft)
Radar Capability	
Modulation type	FMCW
Min. detection distance	≤0.8m(2.62ft)
Distance accuracy	±1m(3.28ft)
Angle accuracy	±1°
Max. detection speed	≤36km/h track continuous; ≤120km/h detectable
Environmental	
Operating temperature	-40℃~+75℃(-40℉~+167℉)
Operating humidity	<90% RH
Protection degree	IP66
Construction	
Material	PC+ABS & aluminum
Dimension	194mmx158mmx49mm(7.64"x6.22"x1.93")
Weight	1.06kg(2.34lb)

Order Information

Type	Part Number	Description
Detector Series	DH-PFM861-B100	Radar system _Dahua brand
	PFM861-B100	Radar system _Neutral, no brand
	DH-PFM861-B300	Radar system _Dahua brand
	PFM861-B300	Radar system _Neutral, no brand

Dimensions (mm/inch)

8-M 5 Depth:10mm

42[1.65"]
158 [6.22"]
80 [3.15"]
42[1.65"]
PUN
110 [4.33"]
194 [7.64"]
Length: 30cm
12V
CAN
RJ45

112 [4.41"]
21 [0.83"]
49 [1.93"]

148 [5.83"]

mm/(Inch)

Application

0°
10°
20°
180
50
100 M
160 M
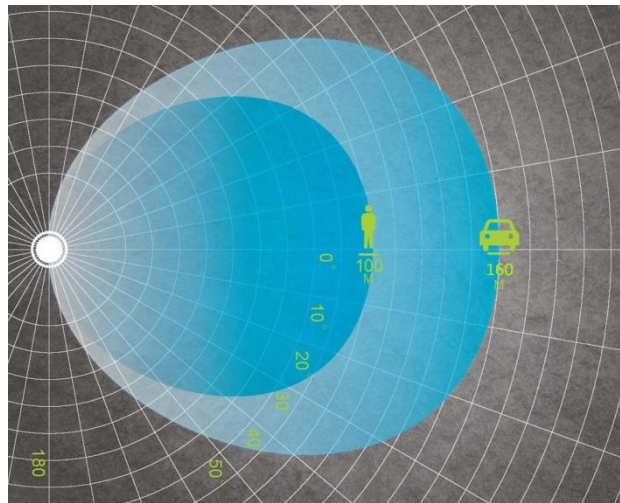
Package Information

- Radar system DH-PFM861-B100 *1
- Application manual *1

Dahua
TECHNOLOGY