2 Formatting

3 Wiring

Loosen the screws on the rear cover to remove the cover. Hold the Reset button

while powering the radar on until the red and green LED flashes.

a. Alarm Output Wiring (Dry Contact Output) a1: One Strong Current Output a2: Three Weak Current Output

ENGLISH

Diagram References

1 Indictaor

a. Power Supply Indicator
Solid Green: Detector Power on
b. Fault Alarm Indicator
Flashing Red: Fault Alarm Occurred, Solid
Green: Alarm Restored

c. Zone Alarm Indicator Solid Red: Zone Alarm Occurred Solid

Green: Alarm Restored
d. Formatting Indicator
Flashing Red: Formatting Successfully

4 Installation

b. Alarm Input Wiring (Reserved)
c. Power Supply Wiring
d. Network Wiring (supports PoE) Before You Start:

The recommend

nded installation height is 2.5 m. e. Grounding

The recommended installation height is 2.5 m.

Make sure that the mounting surface is strong enough to withstand at least 50N, as well as four times the weight of the device and the bracket.

Ceiling Mounting

1. Attach the mounting bracket on the detector with four supplied screws.

2. Loosen the screws on both side of the bracket.

3. Adjust the angle of the detector.

4. Tighten the screws on the both side of the bracket to complete the installation.

Pole Mounting

1. Attach the mounting bracket on the detector with four supplied screws.

Adjust the angle of the detector.
 Tighten the screws on the both side of the bracket to complete the installation.

4. Tighten the screws on the both side of the bracket to complete the installation.

Test
Test
Test the radar after installation to make sure it is properly mounted.
Power on the radar and make sure there is no large object in the monitoring area. Make the detector access into the internet.

1. Download and install the iVMS-4200 client software.

2. Enter Control Panel - Modules Customization, select Radar, and click OK.

3. Enter Device Management page, select the radar in the Online Device List, click Modify Netinfo, change the port as 80, and click Add to Client. If the network of the radar is not the same as the PC's, click Add in the Device for Management list and enter the radar IP address in the pop-up window to add the radar.

Note: You should activate the device for the first usage. Select the device in the Online Device List, click Activate, create a password to activate the device.

Scan the QR code to get the User Manual of Security Rador.

Device List, Click Activate, create a password to activate the device.

Scan the QR code to get the User Manual of Security Radar.

4. In iVMS-4200 client software, enter Control Panel - Radar.

5. Upload Map: Select a map, enter the actual width (m) and height (m) of the map.

6. Expand the device group in the list on the left, and click and drag the detector onto the map.

7. Move along the edge of the required monitoring filed. Make sure the target sign (red arrow) is moving within the radar area (gray sector) shown on the added map. If the target sign is no within the sector, you need to adjust the mounting position or angle of the radar.

6 Set Up

1 Add Zone for the Detector 1. In iVMS-4200 client software, enter **Control Panel - Radar**.

1. In IVMN-42UD client software, enter Control Panel - Radar.
2. Click --- Draw Zone Manually, and click the mouse to draw a zone on the radar detection area. The system will pop up the zone settings window 3s after the drawing being completed.
3. Edit the zone parameters in the pop-up window.
4. Optional: You can also click --- Draw Zone Automatically, and walk in the radar detection filed by a closed-loop path to draw a zone. For detailed, refer to the User Manual of Security Radar. Note: Zones are not allowed to overlap.

Note: Zones are not allowed to overlap.

2 Link the camera to the Zone

Before the operation, you need to click ⊕ on the Radar page to disarm the radar.

1. In iVMS-4200 client software, select the radar on Device Manegement page and click

Remote Configuration to enter the configuration page. You can also enter the device IP

address in the web broswer to enter the configuration page.

2. Click Smart Rule Settings - Camera Linkage Settings.

3. Click + to add cameras to the radar.

4. Select a camera in the Camera IP Address List, and select a radar zone (or whole field) in the
Zone Linkage list.

5. Add the camera to iVMS-4200 client software: In the client software, enter Device

Management page, click Add in the Device for Management list, and enter the IP address, user

mane and password of the camera in the pop-up window.

3 Calibrate the Speed Dome

3 Calibrate the Speed Dome Before the operation, you need to click 😌 on the **Radar** page to disarm the radar, and link the speed dome to the zone. 3 Initial Position settings

Before calibration, set the initial position of the speed dome to ensure the tracking accuracy.

Before calibration, set the initial position of the speed dome to ensure the tracking accuracy.

1. Select a reference object about 50 m away from the speed dome. On the reference object, select a point whose altitude is the same as the speed dome's.

2. Enter the IP address of the speed dome in the web broswer to enter the web client. Adjust the PTZ buttons on the Live View page to make the reference object displayed in the image, and Click Q to zoom in the reference object.

3. Click Q, and click the reference point to middle the point in the frame.

4. Enter Configuration - PTZ - Initial Position, and click Set to set the initial position.

(a) Calibration

Calibration If the speed dome is installed together with the radar, select the calibration mode as One Point Calibration. Otherwise, set the calibration as Multipoint Calibration. For one point calibration, you can refer to the following steps, and see user manual for multipoint calibration.

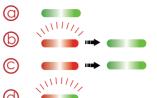
Calibration.

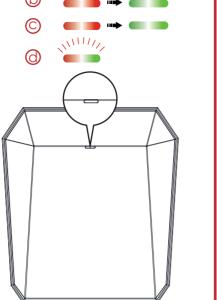
1. In IVMS-4200 client software, enter Radar page, click ••• - Master-Slave Tracking Settings.
2. Double click the radar in the list on the left. Click the live view window of the speed dome needs to be calibrated, and click [•••] to maximum the window.
3. Select One Point Calibration as the calibration mode.
4. Click Add to add a calibration point.
5. Ask the calibration staff to move in the radar detection field. Click the track of the calibrates staff, and the color of the selected track will change from red to yellow.
6. Ask the calibration staff to stand at the calibration point within 20 to 40 m directly in front of the radar.
Note: The track disappears if the calibration staff is standing in place for more than 5 s. If the calibration staff does not move to the calibration point when the track disappears, you need to ask the calibration staff moves again, and click the track of the calibration staff to continue the calibration.

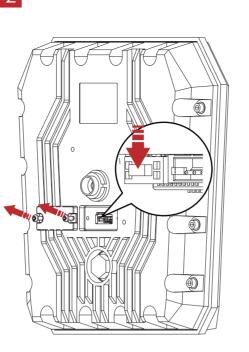
Click the added calibration point in the list on the right to update the radar position of the calibration staff.

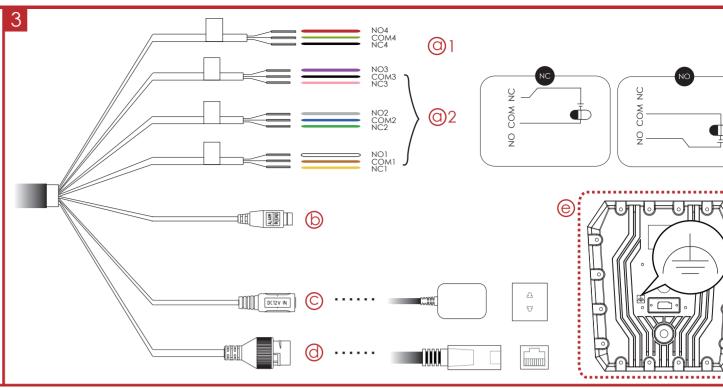
He frame. [For precise angument, Charles], one State of the Save.
 Click Save.
 Enable Speed Dome Tracking
 In IVMS-4200 client software, enter the Master-Slave Tracking Settings page, select the live view window of the speed dome, and Check Enable Tracking.
 For detailed settings, Scan the QR code to get the User Manual of Security Radar.

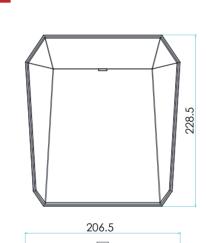
Model Detection Range	DS-PR1-60 60 m	Netowrk Interface	1 RJ45 10M/100M self-adaptive, supports POE
Horizontal Angle Detection Area	100° About 3000 ㎡	Communication Protocol	Standard ISAPI protocol, NAL2300 protocol HTTP, DNS, NTP, TCP, UDP, DHCP.
Max. Target Number Velocity Range	-8.7 to 8.7 m/s		ARP, and SSH
Range Measurement Accuracy	±0.75 m	Exception Detection	Cover and Wall tamper-proof, and blocking alarm
Velocity Measurement Accuracy	±0.1 m/s	Power Interface	802.3at standard POE or 12 VDC The supplied power adapter is for 12 VDC power input.
Angle Measurement Accuracy	±1°	Operation Temperature Operation Humidity	-40 C° to 65 C°
Zone	8	Dimension(W x H x D)	206+228+61 mm
Alarm Output Use only power supply	3-ch weak current output: 0.5 A/125 VAC,breakdown voltage: 1	IP Level	IP67
		Weight	1.84 kg
	KV 1-ch strong current output: 10 A/240 VAC,breakdown voltage: 2.5 KV	Installation	Bracket installation Installation Height: 1.2 m to 4 m Recommended height range: 2.5 m Recommended vertical angle: 0°

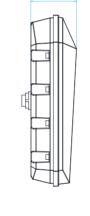




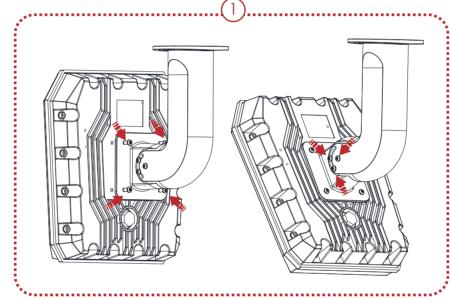


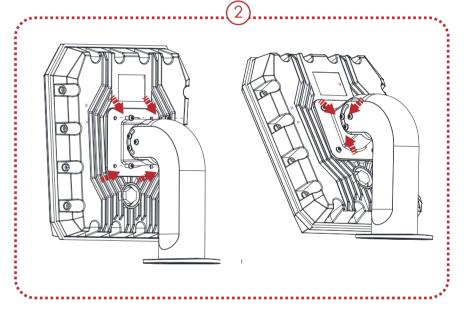




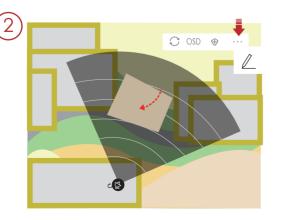


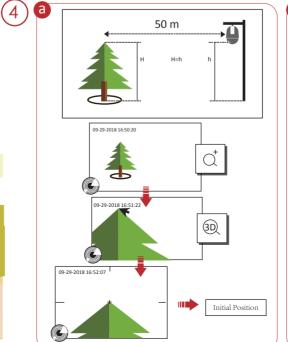
8.06

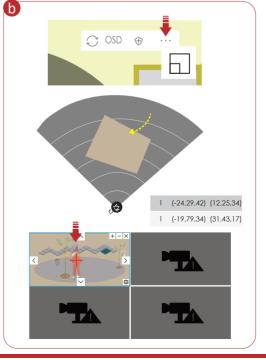












Product Information

COPYRIGHT ©2019 Hangzhou Hikvision Digital Technology Co., Ltd. ALL RIGHTS RESERVED.

Any and all information, including, among others, wordings, pictures, graphs are the properties of Hangzhou Hikvision Digital Technology Co., Ltd. or its subsidiaries (hereinafter referred to be "flikvision"). This user manual (hereinafter referred to be "the Manual") cannot be reproduced, changed, translated, or distributed, partially or wholly, by any means, without the prior written permission of Hikvision. Unless otherwise stipulated, Hikvision does not make any warranties, guarantees or representations, express or implied, regarding to the Manual.

About this Manual

About this Manual This Manual is applicable to the Security Radar. This Manual is applicable to the Security Radar. The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (http://overseas.hikvision.com/en/). Please use this user manual under the guidance of professionals.

HIKVISION Trademarks Acknowledgement and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions. Other trademarks and logos mentioned below are the properties of their respective owners.



FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

FCC Warning:

FCC Warning:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the

his device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

. This device may not cause harmful interference. .
This device must accept any interference received, including interference that may cause undesired operation

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the RE Directive 2014/53/EU, the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2014/35/EU, and the Size of t



2012/13/20 (WEEV interuse): Products limited with symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more



This product operates in a European non-harmonised frequency band.