



# **Network Portable IR Speed Dome**

## **Quick Start Guide**

**UD06678B**

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### **About this Manual**

This Manual is applicable to Network Portable IR Speed Dome.

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.

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## Regulatory Information

### FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC compliance:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### FCC Conditions

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

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

### EU Conformity Statement



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 Low Voltage Directive 2015/35/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this 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](http://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 information see: [www.recyclethis.info](http://www.recyclethis.info).



## Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into **Warnings** and **Cautions**:

**Warnings:** Neglecting any of the warnings may cause serious injury or death.

**Cautions:** Neglecting any of the cautions may cause injury or equipment damage.

	
<b>Warnings</b> Follow these safeguards to prevent serious injury or death.	<b>Cautions</b> Follow these precautions to prevent potential injury or material damage.



### Warnings

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Use the power adapter, which is provided by normal company. The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Make sure that the power has been disconnected before you wire, install or dismantle the speed dome.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then contact the service center.
- If the product does not work properly, contact your dealer or the nearest service center. Never attempt to disassemble the speed dome yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)



### Cautions

- Do not drop the speed dome or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the speed dome in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.

- The bubble for indoor use shall be kept from rain and moisture.
- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the speed dome at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Use the provided glove when open up the bubble, and avoid direct contact with the bubble, because the acidic sweat of the fingers may erode the surface coating of the bubble.
- Use a soft and dry cloth when you clean inside and outside surfaces of the bubble, do not use alkaline detergents.
- Keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the speed dome to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the speed dome and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

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# 1 Overview

## 1.1 Appearance

Refer to Figure 1-1 for network portable IR speed dome overview.

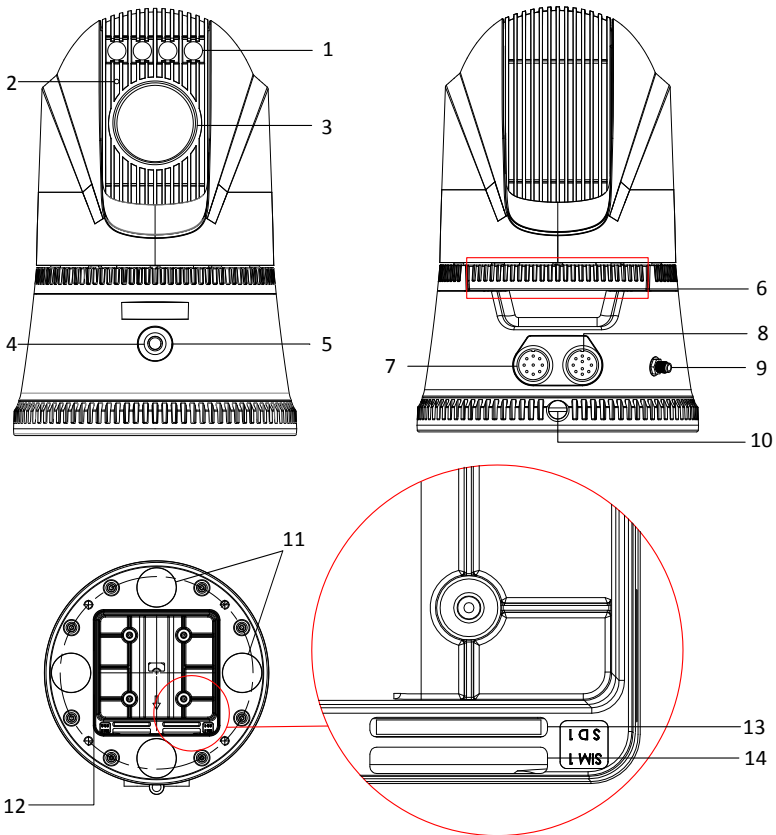


Figure 1-1 Network Portable IR Speed Dome Overview

Table 1-1 Cable Interface Description

No.	Description
1	IR LED
2	Photoresistor



No.	Description
3	Lens
4	ON/OFF Switch
5	LED Indicator
6	Speed Dome Handle
7	9-PIN Aviation Plug (5 VDC Power Output, RS-485 Port, Alarm Interface)
8	10-PIN Aviation Plug (8 to 32 VDC Power Input, Network Interface, Serial Port)
9	GPS
10	Safety Rope Ring
11	Magnet
12	Battery
13	Memory Card Slot
14	SIM Card Slot

## 1.2 Indicator Description

Table 1-2 Indicator Description

Status Indicators	Description
Normally Red	Device is turning on/off.
OFF	Device is standby or is powered off.
Flicker Blue	The battery is being charged when device is standby or powered off.
Normally Blue	The battery is fully charged when device is standby or powered off.
Normally Green	The device is running normally.
Flicker Orange (High Flicker Frequency)	The battery is being charged when device is running normally.
Normally Orange	The battery is fully charged when device is running normally.
Flicker Orange (Low Flicker Frequency)	The device is not being charged and the battery remaining capacity is less than 20%.

## 2 Installation



- Make sure the power is off before performing any installation or wiring.
- Two installation applications are available for speed dome: installation with tripod and suction installation.
- To install the speed dome in a fixed site, use the tripod and the junction box.
- To install the speed dome on the vehicle roof, make sure that the vehicle speed does not exceed 60 Km/h (37.3 mile/h).

### 2.1 Installing the Speed Dome

#### 2.1.1 Installation with Tripod

**Steps:**

1. Put the tripod on the place where you want to install the speed dome.
2. Fix the junction box on the tripod, as shown in Figure 2-1.



Figure 2-1 Fixing the Junction Box on the Tripod

3. Install the speed dome on the junction box with the four magnets on the base of speed dome as shown in Figure 2-2.



Figure 2-2 Installing the Speed Dome

### 2.1.2 Installation on Vehicle Roof

**Steps:**

1. Put the speed dome on the vehicle roof, and then secure it with four magnets on the base of speed dome.
2. Hang the safety rope by hooking one end on the safety rope ring of speed dome and the other end on the bracket of the vehicle.

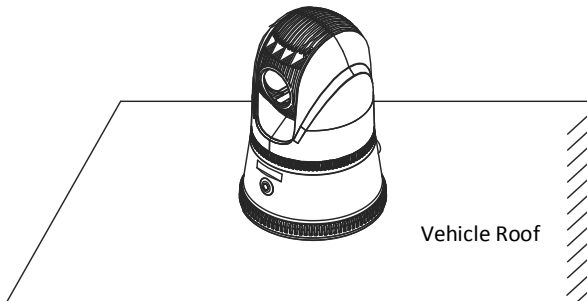


Figure 2-3 Installation on Vehicle Roof



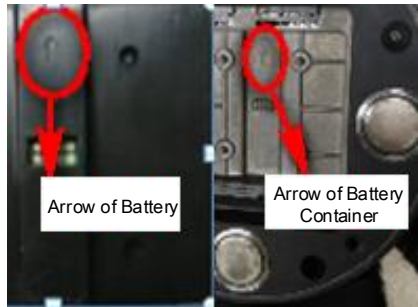
Make sure the vehicle roof is horizontal and smooth enough to install the speed dome.

## 2.2 Installing Battery

**Steps:**

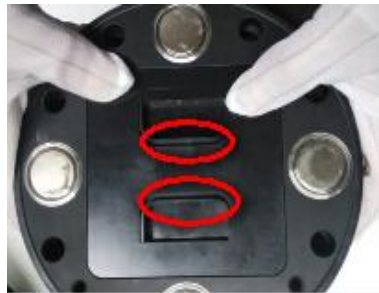
1. Insert the Battery:

Insert the battery into the battery container and make sure that the arrow of battery and the arrow of battery container are of the same direction.



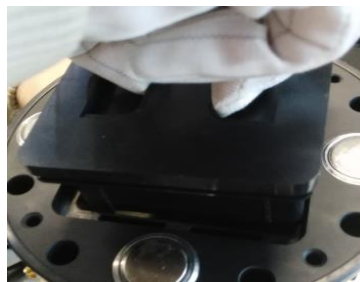
2. Press the Battery:

Press four corners of the battery respectively until the battery clicks. Check if there is a gap on the battery. If no gap appears, press the corners of battery again until it's properly installed.



3. Take apart the Battery (Optional)

Holding the battery with your thumb and index finger by the direction of the picture above and then drag the battery out.



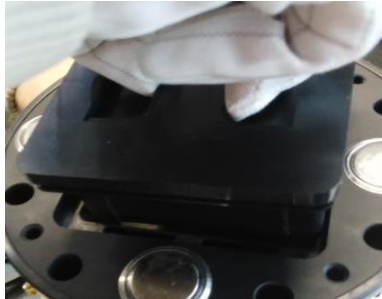
## 2.3 Installing SIM Card

Two SIM cards can be inserted at one time for the portable speed dome. When only one SIM card is required, install the SIM card into the card slot of SIM card 1.

### **Steps:**

1. Take apart the Battery:

Hold the battery with your thumb and index finger by the direction of the picture above and then drag the battery out.



2. Insert the SIM Card:

Prick the yellow spring beside the SIM card slot with a spiculate object, and the card slot pops up. Pull out the card slot and insert the SIM card into the card slot.



## 2.4 Installing Memory Card

Two memory cards are supported for the portable IR speed dome with one card of 128G space at most, and you can insert another memory card for expansion.

### **Steps:**

1. Take apart the Battery:

Hold the battery with your thumb and index finger by the direction of the picture above and then drag the battery out.



2. Insert the memory Card:

Insert the SD card into the SD card slot with the metallic surface of SD card faces the other side of battery container.



## 3 Setting the Speed Dome over the LAN



- You shall acknowledge that the use of the product with Internet access might be under network security risks. For avoidance of any network attacks and information leakage, strengthen your own protection. If the product does not work properly, contact with your dealer or the nearest service center.
- To ensure the network security of the speed dome, we recommend you to have the speed dome assessed and maintained termly. You can contact us if you need such service.

### 3.1 Network Connection

#### 3.1.1 Wi-Fi AP Mode

##### **Purpose:**

You can connect the device with your PC by Wi-Fi AP (Access Point) network and transmit the data via the Wi-Fi.

##### **Steps:**

1. Search the Wi-Fi with your PC or phone that support Wi-Fi function.
2. Connect the Wi-Fi of device hot spot. The default Wi-Fi name is **Dome\_XXXXXX** (Device Serial No.), and the default password is **abcd1234**.
3. The default IP address of speed dome is 192.0.0.64.
4. For the first time you log in the speed dome, create a password and input the password into the password field and confirm. (Optional)



**STRONG PASSWORD RECOMMENDED**— We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

5. If multiple speed domes are connected in Internet, edit the IP address of speed dome in case of IP address conflict.



For further information about Wi-Fi AP parameters configuration, refer to user manual of the network portable IR speed dome.

The following figure shows cable connection of the network speed dome.



Figure 3-1 Wi-Fi AP Mode of Speed Dome

### 3.1.2 Wiring over the LAN

To view and configure the speed dome via LAN (Local Area Network), you need to connect the network speed dome in the same subnet with your PC. Then, install the SADP or client software to search and change the IP address of network speed dome.

- The following figure shows cable connection of speed dome.

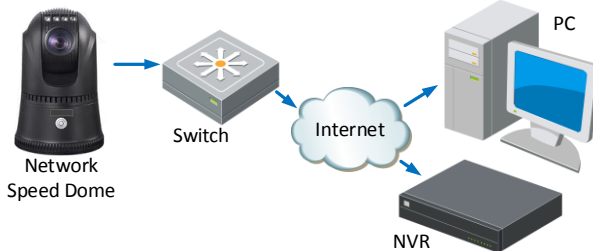


Figure 3-2 Wiring over LAN

### 3.1.3 Dialing Settings

Two SIM cards can be installed on the portable speed dome, including Main SIM Card and Slave SIM Card. You can configure the dialing settings for each SIM card.

For detailed information, refer to user manual of the network portable IR speed dome.

## 3.2 Activating the Speed Dome

#### **Purpose:**

You are required to activate the speed dome first by setting a strong password before you can use the speed dome. Activation via web browser, activation via SADP, and activation via client software are supported.



In the following sections, activation via web browser and SADP will be taken as examples. You may refer to user manual of the speed dome for the details of activation via client software.

### 3.2.1 Activation via Web Browser

#### Steps:

1. Power on the speed dome, and connect the speed dome to the network.
2. Input the IP address into the address bar of the web browser, and enter the activation interface.



The default IP address of the speed dome is 192.0.0.64.

The image shows a web browser window titled "Activation". It contains a form with the following fields and text:

- User Name:** admin
- Password:** A text input field with a placeholder line below it.
- Confirm:** A text input field.
- Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.**
- OK:** A button in the bottom right corner.

Figure 3-3 Activation Interface (Web Browser)

3. Create a password and input the password into the password field.



**STRONG PASSWORD RECOMMENDED**— We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

4. Confirm the password.
5. Click **OK** to activate the speed dome and enter the live view interface.



To activate the speed dome under Wi-Fi AP mode, refer to Section **3.1.1 Wi-Fi AP Mode**.

### 3.2.2 Activation via SADP Software

SADP software is used for detecting the online device, activating the device, and resetting the password.

Get the SADP software from the supplied disk or the official website, and install the SADP according to the prompts. Follow the steps below to activate the speed dome.

## Steps:

1. Run the SADP software to search the online devices.
2. Check the device status from the device list, and select an inactive device.

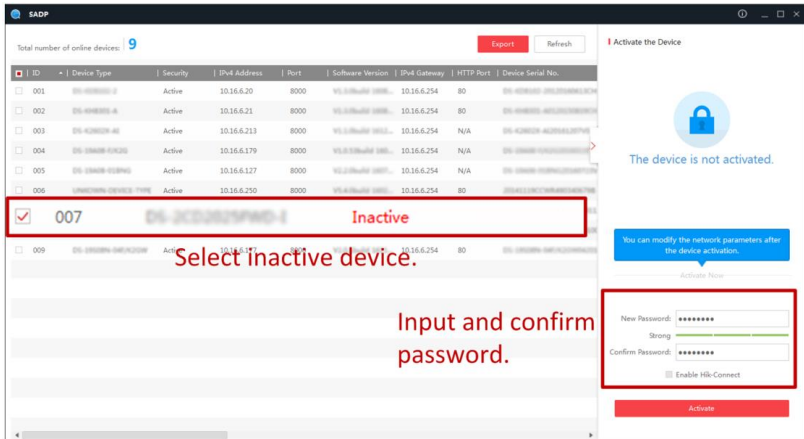


Figure 3-4 SADP Interface

3. Create a password and input the password in the password field, and confirm the password.



**STRONG PASSWORD RECOMMENDED**– We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

4. Click **Activate** to save the password.

You can check whether the activation is completed on the popup window. If activation failed, make sure that the password meets the requirement and then try again.

## 3.3 Modifying the IP Address

### Purpose:

To view and configure the speed dome via LAN (Local Area Network), you need to connect the network speed dome in the same subnet with your PC. Then, install the SADP software or client software to search and change the IP address of network speed dome. We will take modifying the IP address via SADP software as an example.

**Steps:**

1. Run the SADP software.
2. Click to select an active device.



Refer to Section **3.2 Activating the Speed Dome** to activate the speed dome if it is inactive.

3. Change the device IP address to the same subnet with your computer by either modifying the IP address manually or checking the **Enable DHCP** checkbox.
4. Input the password and click **Modify** to activate your IP address modification.

## 4 Accessing via Web Browser

### System Requirement:

Operating System: Microsoft Windows XP SP1 and above version/Vista/Win7/Server 2003/Server 2008 32bits


CPU: Intel Pentium IV 3.0 GHz or higher

RAM: 1G or higher

Display: 1024 × 768 resolution or higher

Web Browser: Internet Explorer 7.0 and above version, Apple Safari 5.02 and above version, Mozilla Firefox 5 and above version and Google Chrome8 and above version

### Steps:

1. Open the web browser.
2. In the browser address bar, input the IP address of the network speed dome, e.g., 192.0.0.64 and enter the login interface.
3. Activate the speed dome for the first time using, and refer to the Section **3.2 Activating the Speed Dome**.
4. Input the user name and password and click .



The device IP address gets locked if the admin user performs 7 failed password attempts (5 attempts for the user/operator).

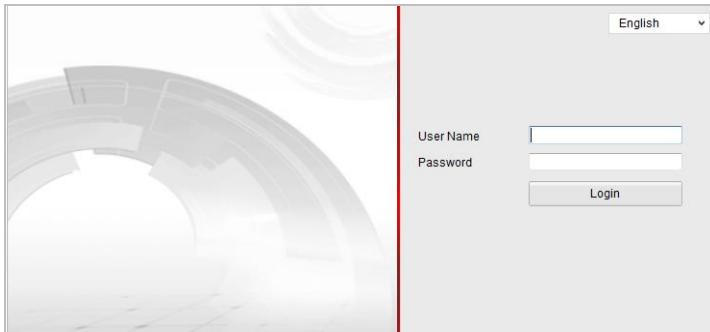


Figure 4-1 Login Interface

5. Install the plug-in before viewing the live video and managing the network speed dome. Follow the installation prompts to install the plug-in.



You may have to close the web browser to finish the installation of the plug-in.

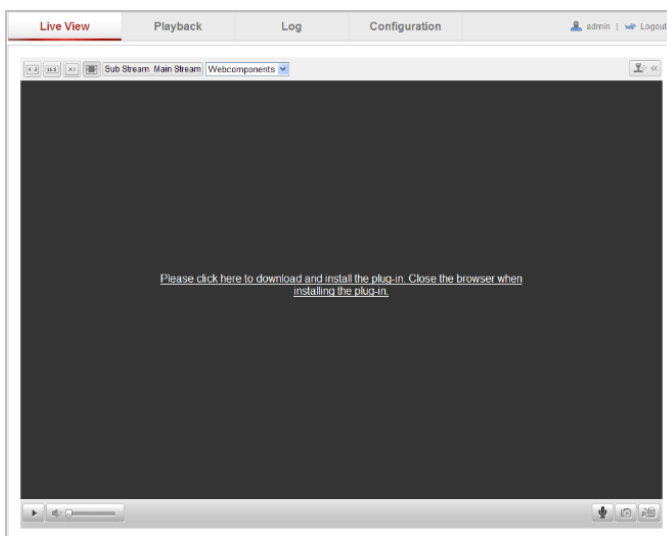


Figure 4-2 Downloading Plug-in

6. Reopen the web browser after installing the plug-in and repeat the above steps 2 to steps 4 to login.



For detailed instructions of further configuration, please refer to the user manual of network speed dome.

