

Network Dome Camera Quick Guide



FOR A GOOD REASON
GRUNDIG

GD-CI-AT3637V

Quick Guide

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Please find the latest version at **WWW.GRUNDIG-SECURITY.COM**

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You may obtain the complete corresponding open source part of a specific product from us for a period of three years after our last shipment of this product by sending an email to: info@grundig-security.com

Safety Instruction

Make sure that you only use the power adapter that is specified in the specifications sheet of the product. If you use any other adapter or connect the power supply incorrectly, this may cause explosion, fire, electric shocks or damage the product. Do not connect several devices to one power adapter as this may cause an adapter overload and can lead to over-heating and fire. Make sure that the plug of the power adapter is firmly connected to the power socket.

Do not place containers with liquids on the product. Do not place conducting items like tools, screws, coins or other metal items on the product. These may fall from the product or can cause fire or electric shocks or other physical injuries.

Do not push or insert any sharp items or any objects into the device as this may cause damage to the product, fire, electric shocks and/or physical injuries.

Do not block any ventilation openings, if there are any. Ensure that the product is well ventilated to prevent any over-heating.

Do not subject the device to physical shock or drop the product.

If the product uses batteries, please use a battery type that is recommended by the manufacturer. Improper use or replacement of the battery may result in the hazard of explosion.

Do not use any accessories that are not recommended by GRUNDIG. Do not modify the product in any way.

If the product starts to smell or smoke comes out of the device, immediately stop using the product and disconnect it from the power supply to prevent fire or electric shocks. Then contact your dealer or the nearest service center.

If the product does not work correctly, contact your dealer or nearest service center. Never open, disassemble or alter the product yourself. GRUNDIG cannot accept any liability or responsibility for problems caused by attempted and unauthorized repair and maintenance.

Special Installation Instructions for IP Cameras

Make sure that the latest firmware is installed on the IP Device. You may get the latest firmware from www.grundig-security.com website or from techsupport@grundig-security.com.

Do not touch the sensor module with your fingers.

Do not aim the camera or camera lens at a strong light such as the sun or a bright lamp. Irreversible damage to the camera can be caused by a strong light.

Do not expose the sensor of the product to laser beams as this may damage the sensor.

If the product supports IR, you need to take some precautions to prevent IR reflection. Do not install the product close to reflective surfaces of objects as this may cause reflection. If the product has a dome cover, please remove the protection film only after installation to prevent dust or grease on the camera which can cause reflection. The foam ring around the lens must be seated flush against the inner surface of the bubble to isolate the lens from the IR LEDS. Fasten the dome cover to the camera body so that the foam ring and the dome cover are attached seamlessly.

For cleaning, use a clean cloth with a bit of ethanol and wipe it carefully and gently. In any case, do not use alkaline detergents.

If a glove is provided in the package, please use it to open the product cover. Never touch the product cover directly with fingers, because the acidic sweat of the fingers may damage the surface coating of the product cover.

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1 Appearance Description

The overview of the dome camera is shown below:

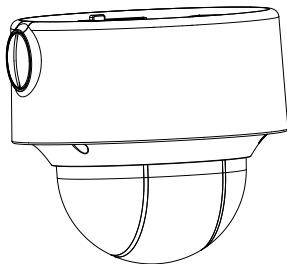


Figure 1-1 Overview

1.1 Components

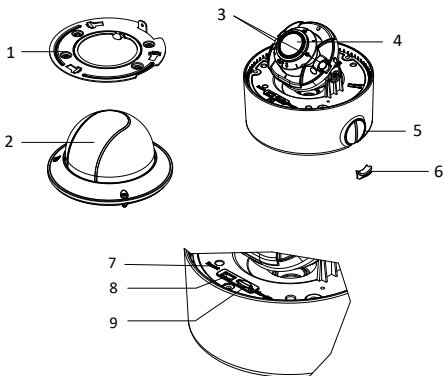


Figure 1-2 Camera Components (1)

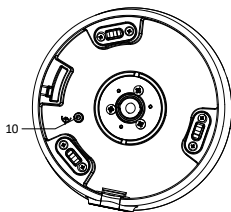


Figure 1-3 Camera Components (2)

Table 1-1 Description of Camera Components

No.	Description	No.	Description
1	Mounting base	2	Dome cover
3	IR	4	Lens
5	Water-proof plug	6	Side outlet cover
7	Reset button	8	Serial port
9	Memory card slot	10	GND

Note:

Press RESET about 10s when the camera is powering on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

1.2 Cables

This camera series has several camera models, each of which may have different cable group. The following figures and tables show the description of possible cables in this camera series.

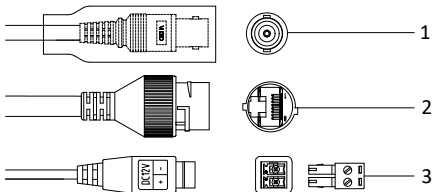


Figure 1-4 Overview of Cables (1)

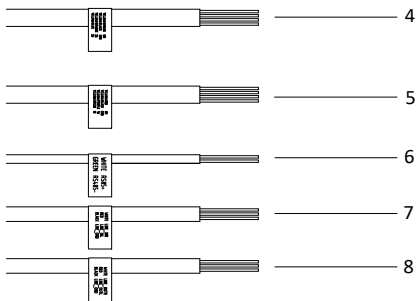


Figure 1-5 Overview of Cables (2)

Table 1-2 Description of Cables

No.	Description		
1	BNC cable and interface		
2	10M/100M self-adaptive Ethernet cable and RJ45 interface (PoE supported)		
3	Power supply cable and terminal block interface		
4	No.2 alarm input/output cable	Alarm input	IN2: yellow/brown
			GND: yellow/black
		Alarm output	2A: yellow/orange
			2B: yellow/blue

5	No.1 alarm input/output cable	Alarm input	IN1: yellow/red
			GND: yellow/black
		Alarm output	1A: yellow/purple
			1B: yellow/green
6	RS485 cable	RS485+: white	
		RS485-: green	
7	Audio input cable	INR: white	
		INL: red	
		GND: black	
8	Audio output cable	OUTR: white	
		OUTL: red	
		GND: black	

2 Installation

2.1 Preparation

Purpose:

Before mounting, you have to disassemble the camera and install the memory card first.

2.1.1 Disassembling

Steps:

1. Loosen the three screws on the edge of the dome cover with the screw driver.

-
2. Lift and put aside the dome cover to disassemble the camera.

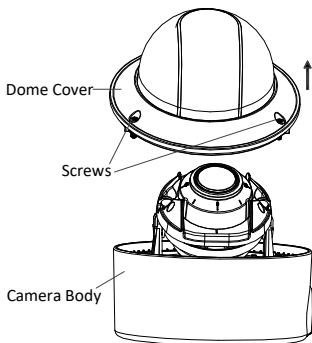


Figure 2-1 Remove the Dome Cover

2.1.2 Memory Card Installation

Steps:

1. Rotate the camera body to completely expose the memory card slot.
2. Insert the memory card into the memory card slot, and push it to get it mounted.

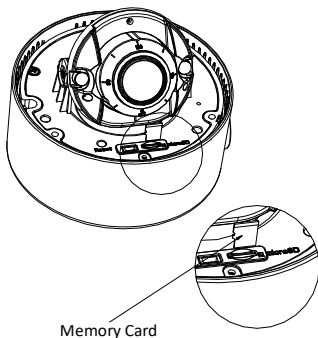


Figure 2-2 Install the Memory Card

3. (Optional) To unmount the memory card, push to eject it.

2.2 Mounting

2.2.1 Ceiling Mounting

1. Attach the supplied drill template to the place where you want to fix the camera.
2. Drill the screw holes and the cable hole according to the drill template as the figure below.

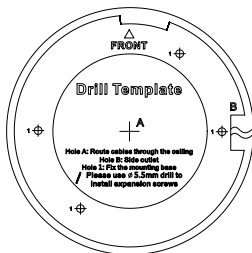


Figure 2-3 Drill Template

Note:

- (Optional) Routing the cable from the side outlet instead of the cable hole drilled on the ceiling is supported.

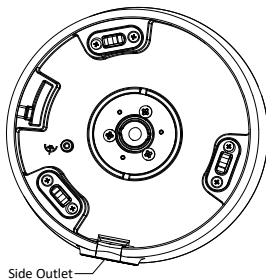


Figure 2-4 Side Outlet

-
3. Fix the mounting base to the ceiling with the supplied screws.

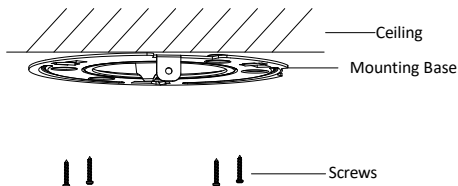


Figure 2-5 Install the Mounting Base

4. Align the camera body with the mounting base and rotate the camera body counterclockwise to get it fitted with the mounting base.

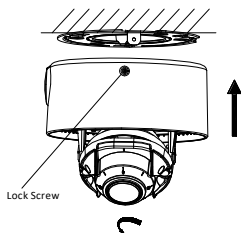


Figure 2-6 Install the Camera Body

5. Connect the video output connector to the monitor and connect the power connector to the power supply to adjust the surveillance angle and image.

6. Adjust the surveillance angle and image according to the figures below.

1). 3-axis Adjustment

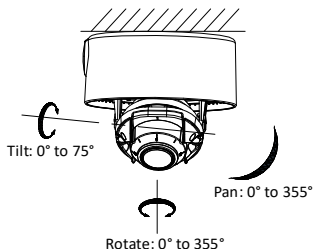


Figure 2-7 3-axis Adjustment

2). Zoom and Focus Adjustment

Cameras of this series are equipped with a motor-driven lens. You can adjust the zoom and focus level on PTZ control panel by visiting the camera via web browser or client software.

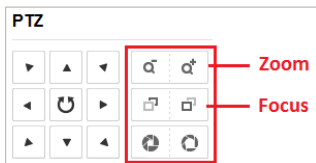


Figure 2-8 Zoom and Focus Adjustment via Web Browser

-
7. Attach the dome cover to the camera body. Fix it with screwdriver to get tightened as the figures below.

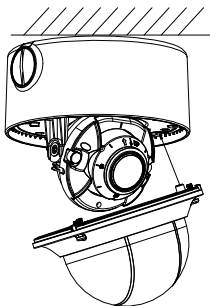


Figure 2-9 Install the Dome Cover

8. Tighten the lock screw to complete the installation.

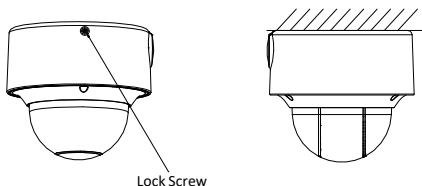


Figure 2-10 Complete the Installation

2.2.2 Wall Mounting

Before you start:

Wall mounting bracket is not included in package. If you choose this mounting type, you have to prepare a bracket first. The wall mounting bracket shown below is only for demonstration.

Note:

When choosing a wall mounting bracket, you must pay attention to the size of the cap which should match the mounting base of the camera.

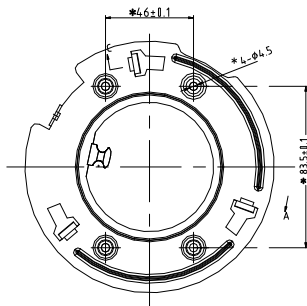


Figure 2-11 Size of the Mounting Base

Steps:

1. Route the cables, install the wall mounting bracket, and secure the cap on the bracket.

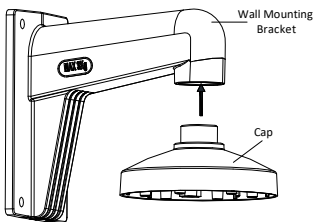


Figure 2-12 Install Wall Mounting Bracket

2. Align the screw holes of the mounting base with the corresponding screw holes of the cap.

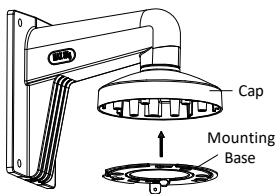


Figure 2-13 Install the Mounting Base

3. Secure the mounting base to the cap with screws.
4. Align the camera with the mounting base, and secure the camera with screws.

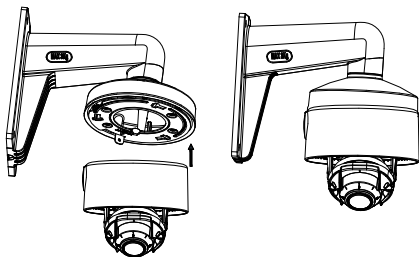


Figure 2-14 Secure the Camera

5. Connect the video output connector to the monitor and connect the power connector to the power supply to adjust the surveillance angle and image.
6. Adjust the image and focus. Please refer to step 6 in section 2.2.1 for more detailed information.
7. Install the dome cover back to the camera and tighten the lock screw to complete the installation. Please refer to step 7 and step 8 in section 2.2.1 for more detailed information.

2.2.3 Pendant Mounting

Before you start:

Pendant mounting bracket is not included in package. If you choose this mounting type, you have to prepare a bracket first. The pendant mounting bracket shown below is only for demonstration.

Note:

When choosing a pendant mounting bracket, you must pay attention to the size of the cap which should match the mounting base of the camera.

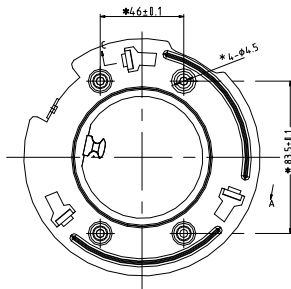


Figure 2-15 Size of the Mounting Base

Steps:

1. Route the cables and install the pendant mounting bracket. Secure the cap on the bracket.

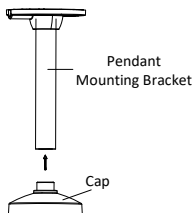


Figure 2-16 Install the Pendant Mounting Bracket

2. Align the screw holes of the mounting base with the corresponding screw holes of the cap.

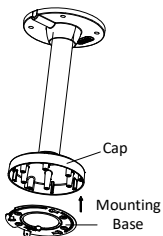


Figure 2-17 Install the Mounting Base

3. Secure the mounting base to the cap with screws.
4. Align the camera with the mounting base, and secure the camera with screws.

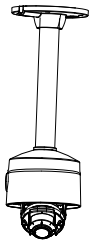


Figure 2-18 Secure the Camera

5. Connect the video output connector to the monitor and connect the power connector to the power supply to adjust the surveillance angle and image.
6. Adjust the image and focus. Please refer to step 6 in section 2.2.1 for more detailed information.
7. Install the dome cover back to the camera and tighten the lock screw to complete the installation. Please refer to step 7 and step 8 in section 2.2.1 for more detailed information.

2.3 Installation of Network Cable Water-proof Jacket (Optional)

Purpose:

If the camera is installed outdoor, you can adapt the water-proof accessory for the network cable after the camera is secured on the installation surface.

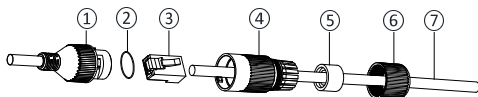


Figure 2-19 Water-proof Accessory Components

Table 2-1 Components

No.	Components
1	Camera's Network Interface Socket
2	O-Type Gasket
3	Network Plug
4	Waterproof Endcap
5	Waterproof Rubber Gasket
6	Lock Nut
7	Network Cable from Router/Switch

Steps:

1. Feed the plugless network cable ⑦ through the lock nut ⑥, waterproof rubber gasket ⑤ (the rubber gasket inset ridge must face the waterproof endcap), and the waterproof endcap ④ in order.

-
2. Crimp an RJ-45 network plug ③ onto the end of the cable, taking care to insert the twisted pairs of wires in correct order.
 3. Place the O-type gasket ② onto the end of the camera's network interface socket ①.
 4. Insert the network plug ③ into the camera's network interface socket ①.
 5. Insert the waterproof rubber gasket ⑤ into the waterproof endcap ④, and secure lock nut ⑥ with the waterproof endcap ④.
 6. Align the snap on the waterproof endcap ④ with the notch on the camera's network interface socket ①, and then secure the waterproof endcap ④ to the camera's network interface socket ① to finish installation.

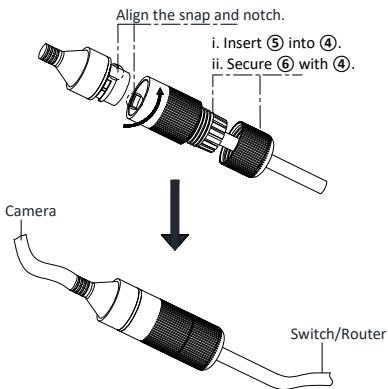


Figure 2-20 Water-proof Accessory Installation

2.4 Installation of Water-proof Tape (Optional)

Purpose:

If the camera is installed outdoor, you can use supplied water-proof tape to protect cable connectors and unused cables after the camera is secured on the installation surface.

Steps:

1. Tear off the yellow release paper on the back of the water-proof tape.
2. Stretch the water-proof tape to reach twice the initial length.

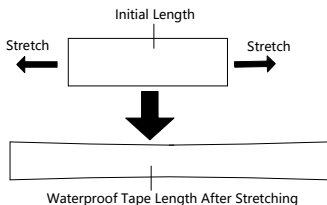


Figure 2-21 Stretch the Water-proof Tape

3. Wrap the water-proof tape around the cable connector tightly as the figure below.

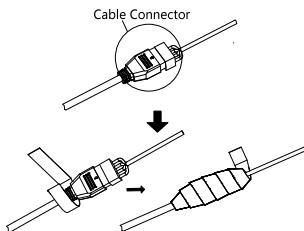


Figure 2-22 Wrap the Water-proof Tape

Note:

Make sure that all naked wires are all firmly wrapped in the water-proof tape.

4. Press the tape on both ends of the connector to make sure no water can get in as the figure below.

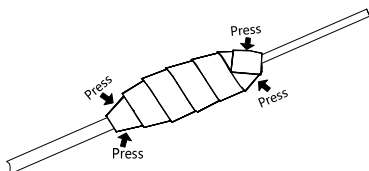


Figure 2-23 Press the Water-proof Tape

5. Wrap the water-proof tape around the remaining unused cables tightly as the figure below.

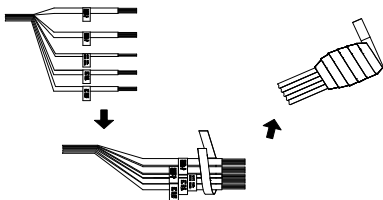


Figure 2-24 Wrap the Water-proof Tape

Note:

Make sure that all naked wires are all firmly wrapped in the water-proof tape.

6. Press the tape to make sure no water can get in as the figure below.

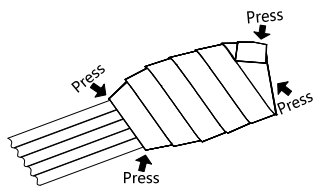


Figure 2-25 Press the Water-proof Tape

3 Setting the Network Camera over the LAN

Note:

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, please strengthen your own protection.

If the product does not work properly, contact your dealer or the nearest service center for help.

3.1 Wiring

Connect the camera to network according to the following figures.

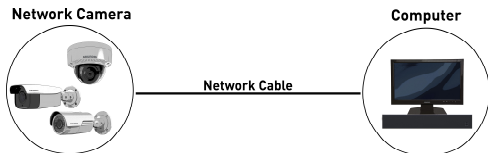
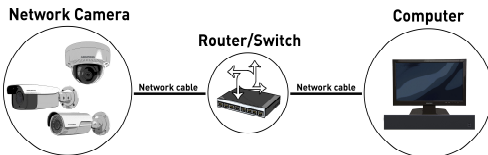


Figure 3-1 Connecting Directly



3.2 Activating the Camera

You are required to activate the camera first by setting a strong password for it before you can use the camera.

Activation via Web Browser and Activation via Grundig IP-Finder Tool are supported. We will take activation via Grundig IP-Finder Tool and Activation via Web Browser as examples to introduce the camera activation.

3.2.1 Activation via Web Browser

Steps:

1. Power on the camera. Connect the camera to your computer or the switch/router which your computer connects to.
2. Input the IP address into the address bar of the web browser, and press Enter to enter the activation interface.

Notes:

- The default IP address of the camera is 192.168.1.100.
- The computer and the camera should belong to the same subnet.
- For the camera enables the DHCP by default, you need to use the Grundig IP-Finder Tool to search the IP address.

Activation

User Name admin

Password

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.

Confirm

OK

Figure 3-3 Activation Interface (Web)

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 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 save the password and enter the live view interface.

3.2.2 Activation via Grundig IP-Finder Tool

The Grundig IP-Finder Tool is used for detecting the online device and activating the camera.

Get the Grundig Finder Tool from the supplied disk or the official website and install the software according to the prompts. Follow the

steps to activate the camera, please refer to the User manual for other two activation methods.

Steps:

3. Run the Grundig IP-Finder Tool to search the online devices.
4. Check the device status from the device list and select the inactive device.

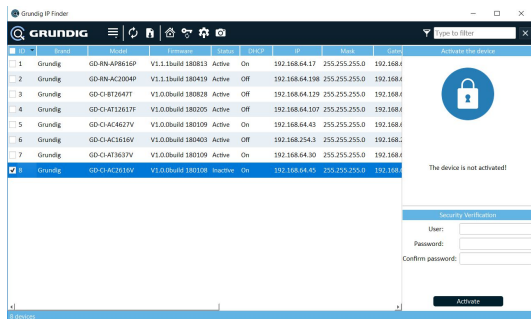


Figure 3-4 Grundig IP-Finder Interface

Note:

The software supports activating the camera in batch. Refer to the user manual of Grundig IP-Finder for details.

5. Create and input the new 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 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.*

6. Click **Activate** to start activation.

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

3.3 Modifying the IP Address

Purpose:

To view and configure the camera via LAN (Local Area Network), you need to connect the network camera in the same subnet with your PC.

Use the Grundig IP-Finder Tool to search and change the IP address of the device. We take modifying the IP Address via Grundig IP-Finder as an example to introduce the IP address modification.

Steps:

1. Run the Grundig IP-Finder Tool.
2. Select an activate device.

-
3. Change the device IP address to the same subnet with your computer by either modifying the IP address manually or checking the checkbox of Enable DHCP.

Update network params

☒ DHCP

IP Address: 192.168.64.45

Mask: 255.255.255.0

Gateway: 192.168.64.5

SDK Port: 8000

HTTP Port: 80

Security Verification

User:

Password:

Update

Figure 3-5 Modify the IP Address

4. Input the admin password and click **Modify** to activate your IP address modification.

The batch IP address modification is supported by the Grundig IP-Finder. Please refer to the User Manual of Grundig IP-Finder for details.

4 Accessing via Web Browser

System Requirement:

Operating System: Microsoft Windows XP SP1 and above version

CPU: 2.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: Internet Explorer 8.0 and above version, Apple Safari 5.0.2 and above version, Mozilla Firefox 5.0 and above version and Google Chrome 18 and above version

Steps:

1. Open the web browser.
2. In the browser address bar, input the IP address of the network camera, and press the **Enter** key to enter the login interface.

Note:

- The default IP address is 192.168.1.100. You are recommended to change the IP address to the same subnet with your computer.

3. Input the user name and password.

The admin user should configure the device accounts and user/operator permissions properly. Delete the unnecessary accounts and user/operator permissions.

Note:

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

4. Click **Login**.

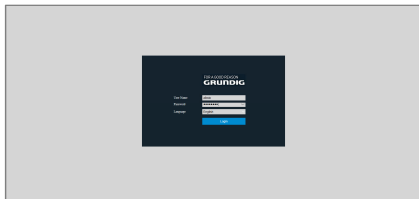


Figure 4-1 Login Interface

5. Install the plug-in before viewing the live video and managing the camera. Please follow the installation prompts to install the plug-in.

Note:

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

[Please click here to download and install the plug-in. Close the browser when installing the plug-in.](#)

Figure 4-2 Download Plug-in

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

Note:

For more details about further configuration instructions, please refer to the *User manual*.

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