

## Network Bullet Camera Quick Guide



FOR A GOOD REASON  
**GRUNDIG**

GD-CI-AC2627T

GD-CI-AC4627T

GD-CI-AC4637T

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## **Quick Guide**

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## **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.

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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](http://www.grundig-security.com) website or from [techsupport@grundig-security.com](mailto: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.

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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

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## 1.1 Type I Camera

The overview of Type I camera is shown below.

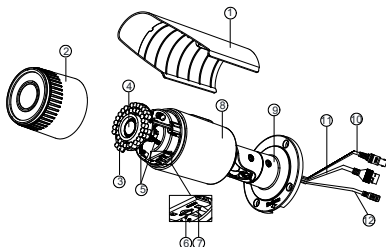


Figure 1-1 Overview of Type I Camera

Table 1-1 Description

No.	Description
1	Sun Shield
2	Front Cover
3	IR LED
4	Lens

No.	Description
5	Zoom and Focus Lever
6	Memory Card Slot
7	Reset Button
8	Camera Body
9	Bracket
10	Video Cable
11	Network Cable
12	Power Cord

**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 Type II Camera

The overview of Type II camera is shown below.

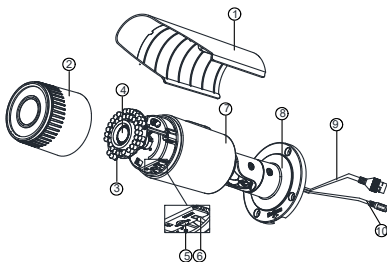


Figure 1-2 Overview of Type II Camera

Table 1-2 Description

No.	Description
1	Sun Shield
2	Front Cover
3	IR LED
4	Lens
5	Memory Card Slot
6	Reset Button
7	Camera Body
8	Bracket

No.	Description
9	Network Cable
10	Power Cord

**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.

## 2 Installation

### 2.1 Memory Card Installation

This series of cameras support memory card installation. Different camera types share the similar installation steps, and we take type I camera as the example.

**Steps:**

1. Rotate the lock screw counterclockwise to loosen it.

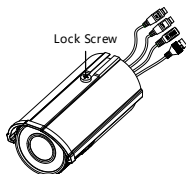


Figure 2-1 Loosen the Lock Screw

- 
2. Remove the sun shield.

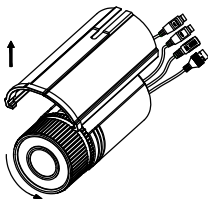


Figure 2-2 Remove the Sun Shield

3. Remove the front cover by rotating it counterclockwise.
4. Insert the memory card into the memory card slot.

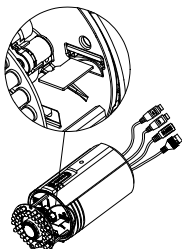


Figure 2-3 Insert the Memory Card

5. Rotate the front cover clockwise back to the camera and install the sun shield back.
6. Tighten the lock screw clockwise to tighten the sun shield.

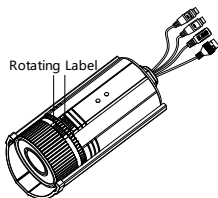


Figure 2-4 Tighten the Front Cover

**Note:**

For water-proof performance, align the rotating label on the front cover with that on the camera when you rotate the front cover clockwise.

## 2.2 Camera Mounting

**Before you start:**

Wall mounting bracket is not included in the package. You need to purchase a bracket separately.

### 2.2.1 Direct Mounting

**Steps:**

1. Attach the drill template (supplied) to the wall or the ceiling where the camera is to be mounted.
2. Drill screw holes in the wall or ceiling according to the hole 1 on the drill template.

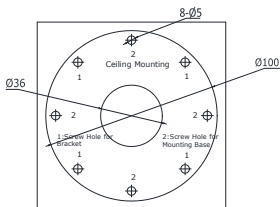


Figure 2-5 Drilling Holes in the Wall/Ceiling

3. If you need to route cables through the wall (or the ceiling), cut a cable hole according to the drill template. Skip this step if you want to route the cables on the surface of the wall (or the ceiling).
4. Route the cables of the camera.
5. Secure the camera to the wall (or the ceiling) with the expansion screws.

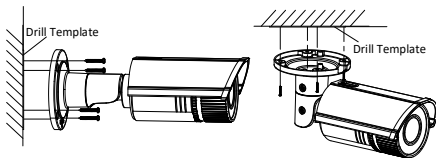


Figure 2-6 Secure the Camera

6. Adjust the view angle.

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3-axis (pan/tilt/rotation) adjusting allows adjustment for optimum camera rotation and placement. Follow the steps below to adjust the view angle.

### **Pan Adjustment**

#### ***Steps:***

- 1). Loosen the lock screw 1.
- 2). Adjust the panning position of the camera. The adjusting range is from 0° to 360°.
- 3). Tighten the lock screw 1.

### **Tilt Adjustment**

#### ***Steps:***

- 1). Loosen the lock screw 2.
- 2). Adjust the tilting position of the camera. The adjusting range is from 0° to 100°.
- 3). Tighten the lock screw 2.

### **Rotation Adjustment**

#### ***Steps:***

- 1). Loosen the lock screw 3.
- 2). Rotate the rotation position to adjust the azimuth angle of the image. The adjusting range is from 0° to 360°.
- 3). Tighten the lock screw 3.

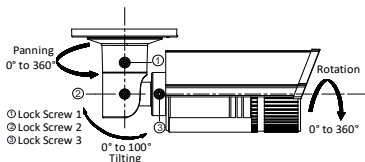


Figure 2-7 View Angle Adjustment

7. Adjust zoom and focus (refer to Section 2.3 Zoom and Focus Adjustment).
8. (Optional) Install the water-proof jacket for network interface. Refer to Section 2.4 Installation of Network Cable Water-proof Jacket (Optional) for detailed installation procedures.

### 2.2.2 Mounting with a Junction Box

#### ***Before you start:***

The junction box is not included in the package. You need to prepare one for this mounting type.

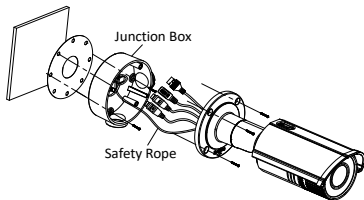


Figure 2-8 Mounting with a Junction Box

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**Steps:**

1. Attach the drill template (supplied) to the wall where the camera is to be mounted and drill holes in the wall according to hole 2 on the drill template. See Figure 2-5.
2. If you need to route cables through the wall (or the ceiling), cut a cable hole according to the drill template. Skip this step if you want to route the cables on the surface of the wall (or the ceiling).
3. Secure the junction box to the wall (or the ceiling) with the expansion screws.
4. Hook the camera to the junction box with the safety rope.
5. (Optional) Install the water-proof jacket for network interface. Refer to Section 2.4 Installation of Network Cable Water-proof Jacket (Optional) for detailed installation procedures.
6. Route the cables of the camera. Connect the cables and power on the camera to see if you can get an image on your monitoring screen.

**Note:**

If you can't get the image, check the power and network connection before performing the next step.

7. Secure the camera to the junction box with the screws.
8. Adjust the view angle. Refer to Step 6 in Section 2.2.1 Direct Mounting.
9. Adjust zoom and focus (refer to Section 2.3 Zoom and Focus Adjustment).

---

### 2.2.3 Mounting with a Gang Box

#### **Before you start:**

The gang box is not included in the package. You need to prepare one for this mounting type.

#### **Steps:**

1. Secure the camera attachment to a gang box with the screws.
2. (Optional) Install the water-proof jacket for network interface.  
Refer to Section 2.4 Installation of Network Cable Water-proof Jacket (Optional) for detailed installation procedures.
3. Route the cables of the camera.
4. Connect the cables and power on the camera to see if you can get an image on your monitoring screen.

#### **Note:**

If you can't get the image, check the connection of the interfaces before performing the next step.

5. Secure the camera to the camera attachment with the screws.

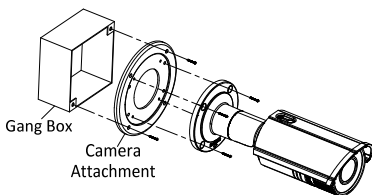


Figure 2-9 Mounting with a Gang Box

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7. Adjust the view angle. Refer to Step 6 in Section 2.2.1 Direct Mounting.
  8. Adjust zoom and focus (refer to Section 2.3 Zoom and Focus Adjustment).

## **2.3 Zoom and Focus Adjustment**

### **2.3.1 Type I**

#### ***Purpose:***

You can use the zoom lever and focus lever to adjust the zoom and focus level. Follow the steps below to adjust focus and zoom. We take type II camera as the example to explain the adjusting steps.

#### ***Steps:***

1. Remove the sun shield and front cover to expose the zoom lever and the focus lever.
2. View the camera image on the monitoring screen.
3. Loosen the zoom lever and move the lever between T (Tele) and W (Wide) to obtain the desired angle of view.
4. Tighten the zoom lever.
5. Loosen the focus lever and move the lever between F (Far) and N (Near) to obtain the optimum focus.
6. Tighten the focus lever.
7. Install the sun shield and the front cover back to the camera.

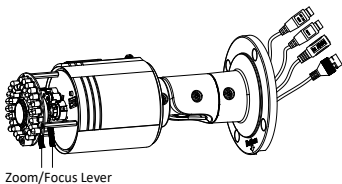


Figure 2-10 Zoom and Focus Adjustment

**Note:**

If the camera is equipped with a fixed lens, you don't need to adjust the zoom and focus.

### 2.3.2 Type II

Camera of these types is equipped with a motorized vari-focal lens. You can adjust the zoom and focus level on PTZ control panel by visiting the camera via web browser or client software.

For detailed steps, refer to the *User manual*.

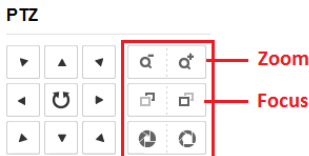


Figure 2-11 Zoom and Focus Adjustment via Web Browser

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## 2.4 Installation of Network Cable Water-proof Jacket (Optional)

### *Purpose:*

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

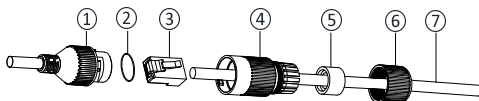


Figure 2-12 Water-proof Accessory Components

Table 2-1 Components

No.	Components
1	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

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**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.

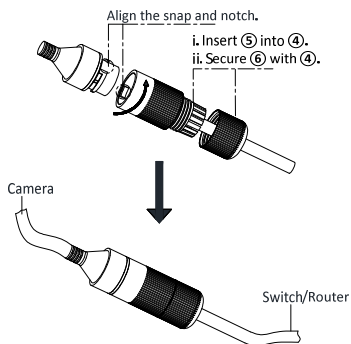


Figure 2-13 Water-proof Accessory Installation

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## 3 Setting the Network Camera over the LAN

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### **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.

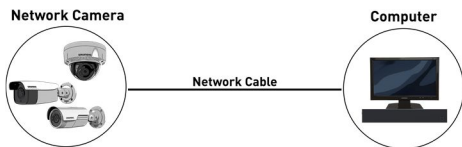
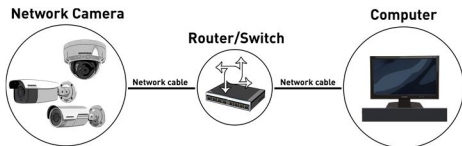


Figure 3-1 Connecting Directly



## 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, Activation via Grundig IP-Finder, and Activation via Client Software are all supported. We will take activation via Grundig IP-Finder software and Activation via Web Browser as examples to introduce the camera activation.

**Note:**

Refer to the User manual for Activation via Client Software.

### 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 software to search the IP address.

The screenshot shows a web-based activation interface. At the top, there is a dark blue header with the word "Activation" in white. Below the header, the interface is divided into three main sections: "User Name", "Password", and "Confirm". The "User Name" field contains the text "admin". The "Password" field contains a series of dots, and a green checkmark is visible to its right. Below the "Password" field, there is a green progress bar and the word "Strong". A text box below the progress bar provides instructions: "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." The "Confirm" field also contains a series of dots and a green checkmark to its right. At the bottom right of the form, there is an "OK" button.

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 IP-Finder Software

Grundig Finder software is used for detecting the online device and activating the camera.

Get the Grundig Finder software 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:

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

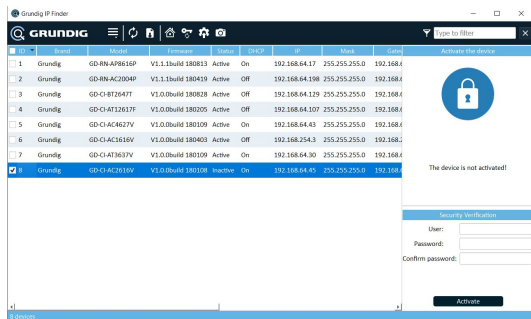


Figure 3-4 Grundig IP-Finder Interface

### Note:

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

3. 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.*

4. 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 software or client software to search and change the IP address of the device. We take modifying the IP Address via Grundig IP-Finder software as an example to introduce the IP address modification.

For IP address modification via client software, refer to the user manual of client software.

#### ***Steps:***

- 
1. Run the Grundig IP-Finder software.
  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.

The screenshot shows a mobile application interface for updating network parameters. It features a blue header bar with the text 'Update network params'. Below this, there is a section with a checked checkbox labeled 'DHCP'. Underneath, several input fields are displayed: 'IP Address' with the value '192.168.64.45', 'Mask' with '255.255.255.0', 'Gateway' with '192.168.64.5', 'SDK Port' with '8000', and 'HTTP Port' with '80'. At the bottom of the form, there is a blue bar labeled 'Security Verification' containing 'User:' and 'Password:' labels with corresponding input fields. A dark blue 'Update' button is positioned at the very bottom of the interface.

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

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### **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**.

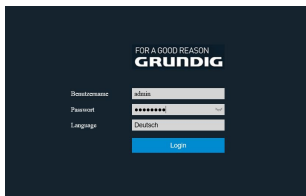


Figure 4-1 Login Interface

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 detailed instructions of further configuration, please refer to the user manual.

## 4.2 Initializing the Memory Card

### *Steps:*

Check the memory card status by tapping on the Storage Status in the Device Settings interface.

If the memory card status displays as Uninitialized, tap to initialize it. The status will then change to Normal. You can then start recording any event triggered video in the camera such as motion detection.

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