

Network Bullet Camera Quick Guide



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Quick Guide

About this guide

The guide 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 guide is subject to change, without notice, due to firmware updates or other reasons.

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.

Table of Contents

1 Appearance Description	7
2 Installation	8
2.1 Ceiling Mounting.....	8
2.2 Wall Mounting with Junction Box.....	10
2.3 Installation of Water-proof Jacket	13
3 Setting the Network Camera over the LAN	15
3.1 Wiring	15
3.2 Activating the Camera	16
3.2.1 Activation via Web Browser	16
3.2.2 Activation via Grundig IP-Finder Software	17
3.3 Modifying the IP Address	19
4 Accessing via Web Browser	21

1 Appearance Description

Type:

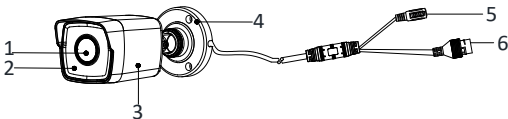


Figure 1-1 Bullet Camera Overview

Table 1-1 Description

No.	Description
1	Lens
2	Front Cover
3	Back Cover
4	Mounting Base
5	Power Cord
6	Network Cable

2 Installation

2.1 Ceiling Mounting

Before you start:

Both wall mounting and ceiling mounting are suitable for the bullet camera. Ceiling mounting will be taken as an example in this section. And you can take steps of ceiling mounting as a reference for wall mounting.

Steps:

1. Paste the drill template (supplied) to the desired mounting position on the ceiling.
2. Drill the screw holes in the ceiling according to the supplied drill template.

Note:

Drill the cable hole, if adopting ceiling outlet to route the cable.

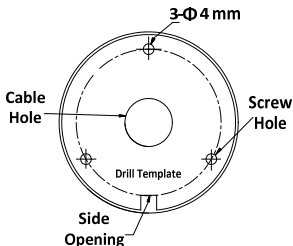


Figure 2-1 The Drill Template

-
3. Route the cables through the cable hole (optional), or the side opening.
 4. Fix the camera on the ceiling with supplied screws.

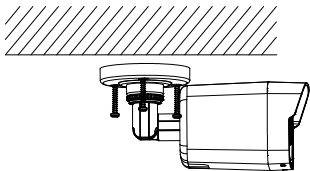


Figure 2-2 Fix the Camera on the Ceiling

Note:

- In the supplied screw package, both self-tapping screws, and expansion bolts are contained.
 - If the ceiling is cement, expansion bolts are required to fix the camera. If the ceiling is wooden, self-tapping screws are required.
5. Connect the corresponding power cord, and network cable.
 6. Power on the camera, and set the network configuration (for details, refer to *3 Setting the Network Camera over the LAN* and *4 Accessing via Web Browser*) to check whether the image is gotten from the optimum angle. If not, adjust the surveillance angle.
 - 1) Loosen the No.1 adjusting screw to adjust the rotation position [0° to 360°].
 - 2) Tighten the No.1 adjusting screw.

- 3) Loosen the No.2 adjusting screw to adjust the tilting position [-90° to 90°].
- 4) Tighten the No. 2 adjusting screw.
- 5) Loosen the No.3 adjusting screw to adjust the pan position [0° to 360°].
- 6) Tighten the No.3 adjusting screw.

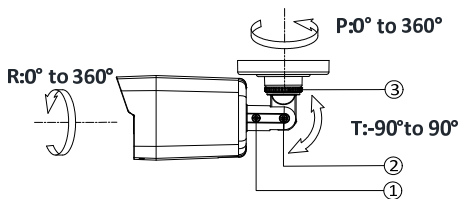


Figure 2-3 3-axis Adjustment

7. (Optional) Install the water-proof jacket. Refer to 2.3 *Installation of Water-proof Jacket* for details.

2.2 Wall Mounting with Junction Box

Before you start:

- Both wall mounting and ceiling mounting are suitable for the bullet camera. Wall mounting will be taken as an example in this section. And you can take steps of wall mounting as a reference for ceiling mounting.
- You need to purchase a junction box first.

Steps:

1. Paste the drill template (supplied) to the desired mounting position on the wall.
2. Drill the screw holes and the cable hole (optional) in the wall according to the drill template.

Note:

Drill the cable hole, if adopting ceiling outlet to route the cable.

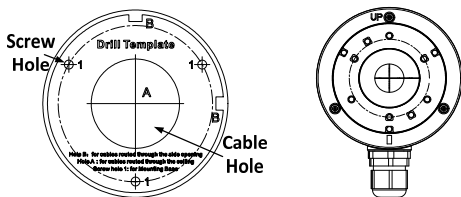


Figure 2-4 The Drill Template

3. Take apart the junction box, and align the screw holes of the bullet camera with those on the junction box' cover.
4. Fix the camera on the junction box's cover with three PM4 × 10 screws.

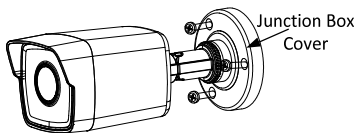


Figure 2-5 Fix the Camera on Junction Box's Cover

5. Secure the junction box's body with three supplied screws on the wall.

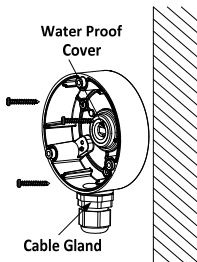


Figure 2-6 Fix the Junction Box on the Wall

6. Route the cables through the cable hole. Here we take bottom cable hole as the example to describe the installation.
- 1). Separate the water proof cover and the cable gland from the junction box.
 - 2). Route the cable through the bottom cable hole and the cable gland.
 - 3). Screw the cable gland back on the bottom cable hole.
 - 4). Screw the water proof cover back on the side cable hole.
7. Combine the junction box cover with its body with three screws on the junction box's cover.

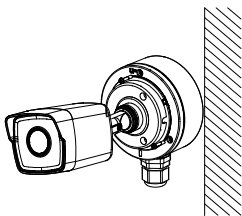


Figure 2-7 Combine Junction Box's Cover with its Body

- Repeat steps 5 to 7 of 2.1 *Ceiling Mounting* to complete the installation.

2.3 Installation of Water-proof Jacket

Purpose:

It is recommended to adopt the water-proof jacket (supplied) for the network interface when the camera is installed outdoor.

Steps:

- If the network cable has been settled down, cut off the plug of the network cable first.
- Route the network cable through the following components in sequence: fix nut, water-proof ring, and the main body of the water-proof jacket, as shown in the figure below.
- Insert the water-proof ring into the main body of the water-proof jacket, to increase the sealing ability of the components.

-
4. Wire the plug and network cables up.
 5. Fix the O-ring to the network interface of the camera, and then connect the network cables.
 6. Wrap the network interface with the main body of the water-proof jacket, and then rotate the fix nut clockwise to assemble it to the main body of the water-proof jacket.

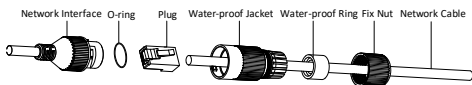


Figure 2-8 Components of Water-proof Jacket

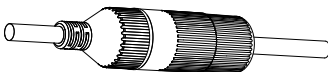


Figure 2-9 Install Water-proof Jacket

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.

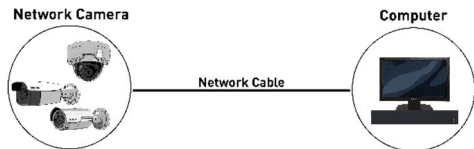


Figure 3-1 Connecting Directly

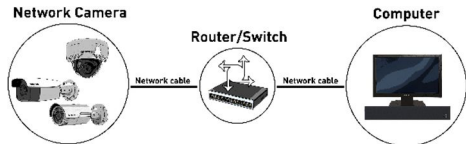


Figure 3-2 Connecting via a Switch or a Router

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 form titled "Activation". It contains three input fields: "User Name" with the value "admin", "Password" with masked characters and a green strength indicator labeled "Strong", and "Confirm" with masked characters and a green checkmark. Below the password field, there is a text instruction: "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." An "OK" button is located at the bottom right of the form.

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 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.

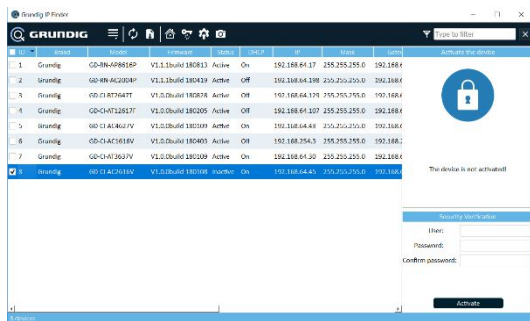


Figure 3-4 Grundig IP-Finder Interface

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 web interface for updating network parameters. At the top, there is a blue header with the text "Update network params". Below this, a section titled "DHCP" is expanded, indicated by a checkmark in a small box. This section contains five input fields: "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". Below the DHCP section is a "Security Verification" section with two input fields: "User:" and "Password:". At the bottom of the form is a dark blue button labeled "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 detailed instructions of further configuration, please refer to the user manual.

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