

Network Bullet Camera Quick Guide



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GRUNDIG

GD-CI-AT2647T
GD-CI-BT2647T

Quick Guide

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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.

Installation Instructions

It is necessary to fix the device firmly if the product is installed on a wall or ceiling.

Do not install the product on surfaces or in places that are vibrating.

Do not install the product near radiation sources.

Do not install the product near heat sources, like radiators or other equipment that produces some heat.

If the product is not classified by any IP class, do not install the product in very cold or hot temperatures (please refer to the working temperature specified in the specification sheet of the product), dusty, dirty or damp environment.

If the product is classified by any IP class, never touch the product cover directly with your fingers, because the acidic sweat of the fingers may damage the surface coating of the product cover. To clean the inside and outside of the product cover, use a soft and dry cloth. In any case, do not use alkaline detergents.

The correct configuration of all passwords and other security settings is the sole responsibility of the installer and/or end-user (this applies especially to IP Cameras and Recorders).

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

1.1 Overview

The overview of the network bullet camera is shown below.

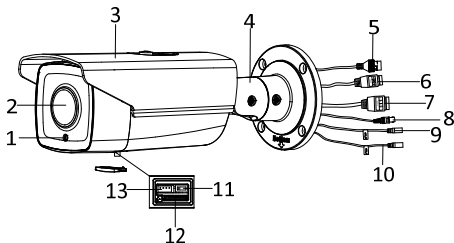


Figure 1-1 Overview Bullet Camera

Table 1-1 Description of Bullet Camera

No.	Description
1	Photoresistor
2	Lens
3	Sun Shield
4	3-axis Bracket
5	Network Cable Interface

No.	Description
6	Power Cable Interface
7	Alarm Cable Interface
8	Video Cable Interface
9	Audio Out
10	Audio In
11	Reset Button
12	Micro SD Card Slot
13	Serial Port

Note:

Use the reset button to reset the camera: Press and hold the reset button 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

The camera supports memory card function. Follow the steps to mount and unmount a memory card.

1. Unscrew the cover to expose the memory card slot.

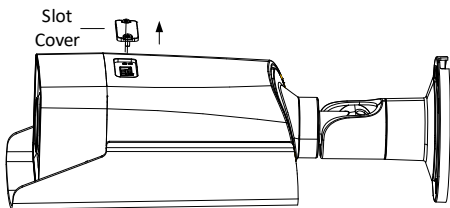


Figure 2-1 Remove cover

2. Insert the memory card.

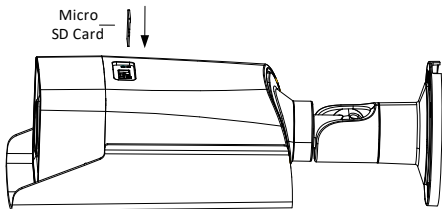


Figure 2-2 Insert Memory Card

3. (Optional) To unmount the memory card, push to get it ejected.
4. Screw the cover back to the camera when installation is finished.

2.2 Direct Mounting

Steps:

1. Drill 4 screw holes (hole 1 on drill template) and the cable hole in the ceiling/wall.

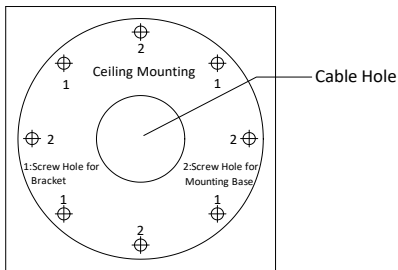


Figure 2-3 Drill Template

2. Fix the camera to the wall/ceiling with the supplied screws.

Note:

Please insert the expansion screws first if the camera is mounted to the cement wall/ceiling. And you can use the self-tapping screws directly if camera is mounted to the wooden wall/ceiling.

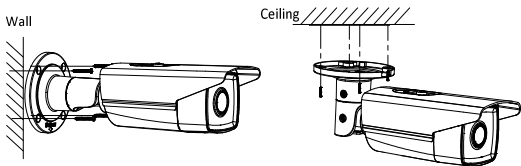


Figure 2-4 Install the Camera

3. Adjust the view angle.

- 1). Loosen No.1 lock screw to adjust the tilt angle [0° to 100°].
- 2). Loosen No.2 lock screw to adjust the pan angle [0° to 360°].
- 3). Loosen No.3 lock screw to rotate the camera [0° to 360°].
- 4). Tighten the lock screws.

Note:

A wrench is supplied to loosen and tighten the screws.

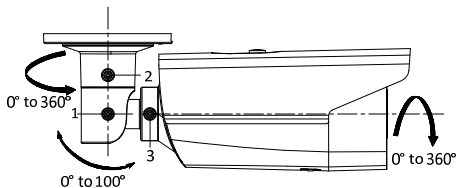


Figure 2-5 Adjust the View Angle

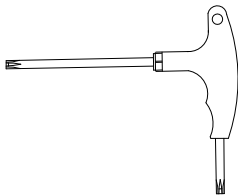


Figure 2-6 Supplied Wrench

4. (Optional) Install the water-proof jacket for network interface. Refer to *Section 2.5 Network Cable Water-proof Jacket Installation (Optional)*.

Note:

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

2.3 Mounting with a Junction Box

Steps:

1. Paste the drill template to desired mounting place. Drill the screw hole and cable hole according to the supplied drill template (shown as Figure 2-3).
2. Align the screw holes of the junction box to the drill template, and fix the junction box to the wall with screws.
3. Hang the camera with the safety rope of junction box.
4. Route the cables.

-
5. Fix the camera to the junction box with screws.
 6. Adjust the surveillance angle according to step 3 in *Section 2.2*.
 7. Install the water-proof jacket according to *Section 2.5*.

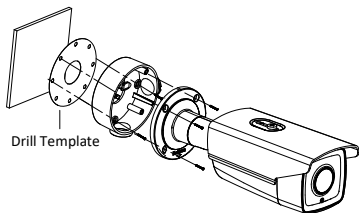


Figure 2-7 Installation with a Junction Box

2.4 Mounting with a Gang Box

Before You Start:

An adapter plate should be purchased separately if you mount the camera to a gang box.

Steps:

1. Install the adapter plate to the gang box.
2. Route the cables.
3. Fix the camera to the adapter plate with screws.
4. Adjust the view angle. For details, refer to step 3 in *Section 2.2*.
5. Install the water-proof jacket according to *Section 2.5*.

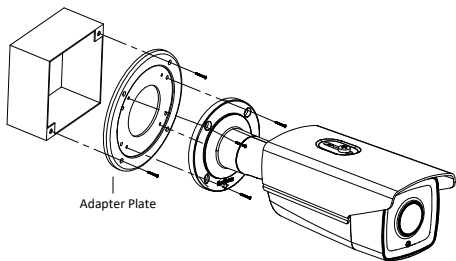


Figure 2-8 Installation with a Gang Box

2.5 Network Cable Water-proof Jacket Installation (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.

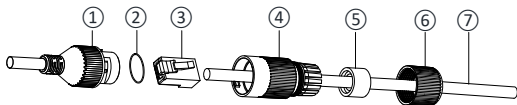


Figure 2-9 Water-proof Accessory Components

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 (rubber gasket inset ridge must face waterproof endcap), and the water-proof 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 water-proof rubber gasket (5) into the waterproof endcap (4), and secure lock nut (6) with the water-proof endcap (4).
 6. Align the snap on the water-proof endcap (4) with the notch on the camera's network interface socket (1), and then secure the water-proof endcap (4) to the camera's network interface socket (1) to finish installation.

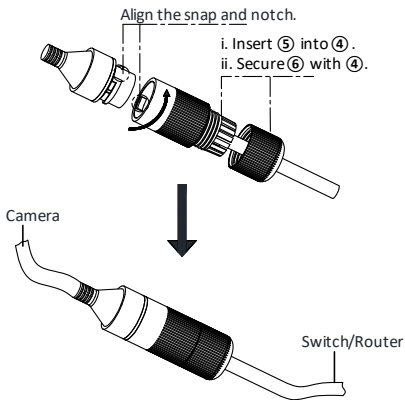


Figure 2-10 Water-proof Accessory Installation

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.

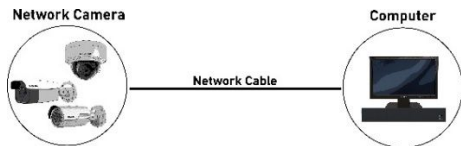
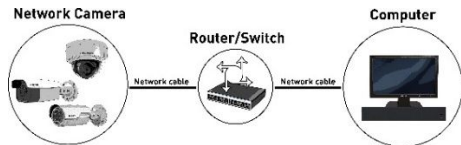


Figure 3-1 Connecting Directly



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 software to search the IP address.

Activation

User Name admin

Password Strong

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 IP-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:

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

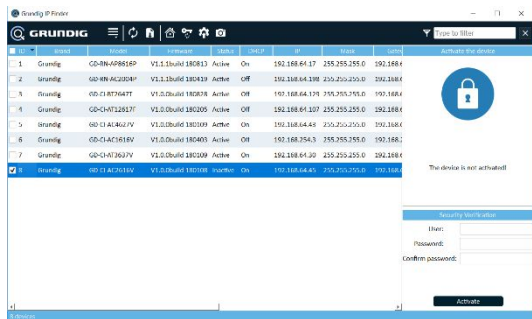


Figure 3-4 Grundig IP-Finder Interface

Note:

The Grundig IP-Finder Tool supports activating the camera in batch. Refer to the user manual of Grundig IP-Finder 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 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:

Mask:

Gateway:

SDK Port:

HTTP Port:

Security Verification

User:

Password:

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**.

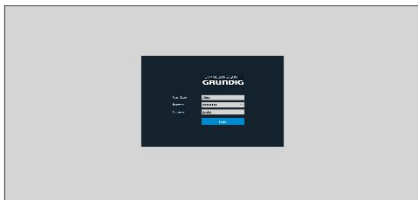


Figure 4-1 Login Interface

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.

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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