# Network Box Camera
## Quick Guide

AUS GUTEM GRUND
**GRUNDIG**

GD-CI-AP2605B

**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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of affected products. Please also check your product's CD-ROM and manuals for additional information.

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

The overview and the interface on the rear panel are shown below:
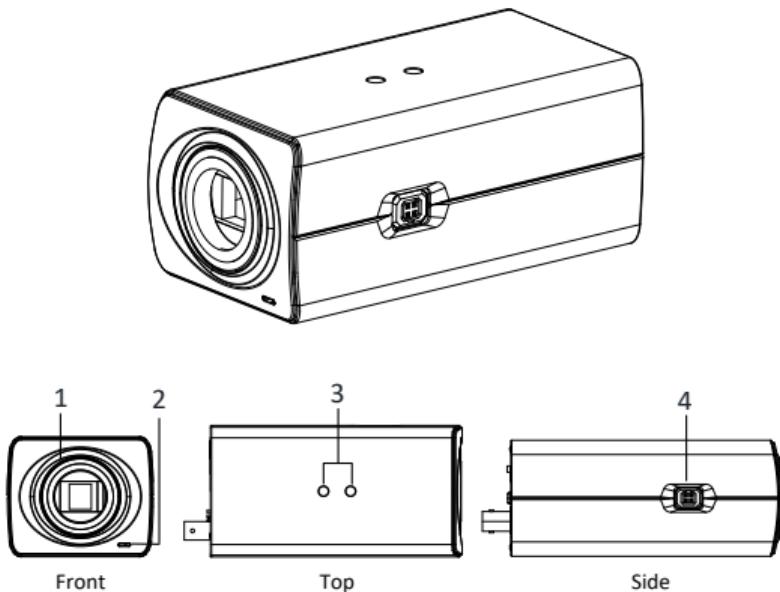


Figure 1-1 Overview
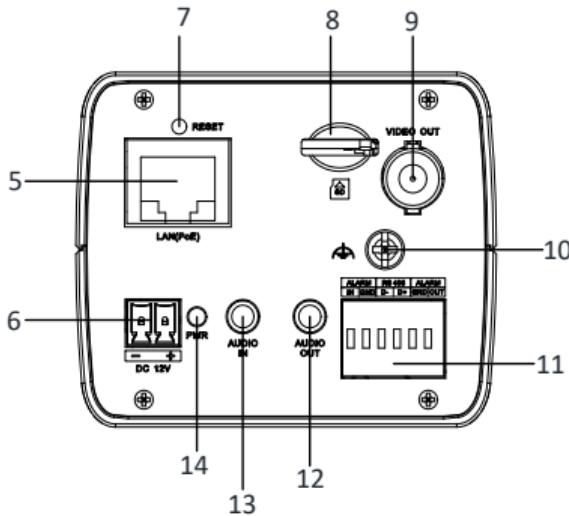
Figure 1-2 Interfaces on the Rear Panel

Table 1-1 Description

| No. | Description | No. | Description |
|-----|-------------|-----|-------------|
| 1 | Lens Mount | 2 | MIC |
| 3 | ¼-20 UNC Screw Hole | 4 | Auto-iris Interface |
| 5 | LAN (PoE) | 6 | Power Supply Interface |
| 7 | Reset | 8 | microSD Card Slot |
| 9 | Video Out | 10 | Grounding |
| 11 | Alarm In/Alarm Out/ | 12 | Audio Out |

| No. | Description | No. | Description |
|-----|-------------|-----|-------------|
|  | RS-485 |  |  |
| 13 | Audio In | 14 | Power Indicator |

***Notes:***

● To reset the camera default parameters, you need to press and hold the RESET button and power on the camera. After the power on of the camera, you must still press and hold the Reset button for about 20 seconds.

● The type of auto-iris interface is shown as below figure:
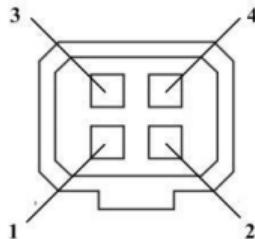


Figure 1-3 Auto-iris Interface

Table 1-2 Pins

| No. | DC-driven |
|-----|-----------|
| 1 | Damp- |
| 2 | Damp+ |
| 3 | Drive+ |
| 4 | Drive- |

Power, Video and GND pins are used when the auto-iris is driven by video; Damp+, Damp-, Drive+ and Drive- pins are used when the auto-iris is driven by DC.

# 2 Installation

*Before you start:*

- Make sure the device in the package is in good condition and all the assembly parts are included.

- The standard power supply is 12VDC or PoE (802.3af). Please make sure your power supply matches with your camera.

- Make sure all the related equipment is power-off during the installation.

- Check the specification of the products for the installation environment.

- Make sure that the wall is strong enough to withstand four times the weight of the camera and the bracket.

## 2.1 microSD Card Installation

The camera supports the microSD card. Here take the steps of the installation.

*Steps:*

1. Insert the microSD card to the microSD card slot to get it installed.

microSD Card Slot
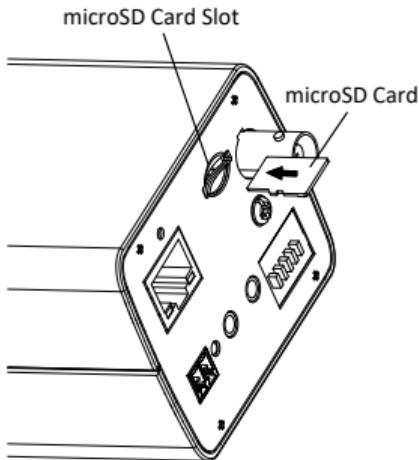
microSD Card

Figure 2-1 Installing the microSD Card

2. (Optional) Push the inserted microSD card slightly to get it sprung by its built-in springing to remove it.

## 2.2 Lens Installation

The lens installation steps of the camera are described below.

1. Fit the lens (not supplied) to the camera and rotate it clockwise to get it tightened.

2. Plug the auto-iris cable to the auto-iris interface.
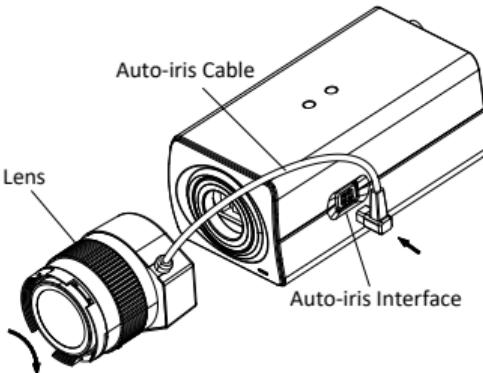


Figure 2-2 Installing the Lens

## 2.3 Ceiling Mounting

The camera supports the ceiling mounting. Here take the steps of the installation.

***Steps:***

1. Install the ceiling mounting bracket to the ceiling with supplied screws.
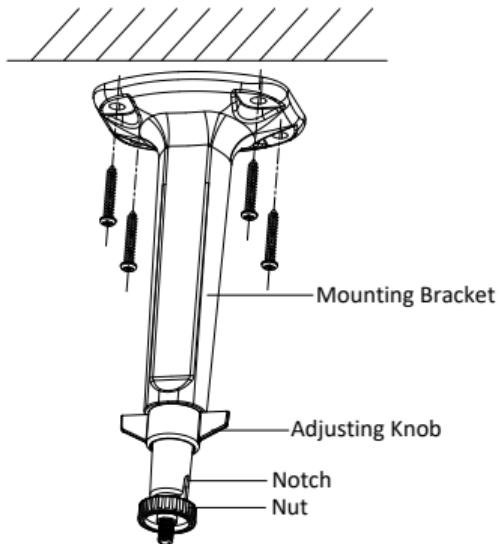


Figure 2-3 Installing the Mounting Bracket

***Note:***

Insert the expansion screws first if the camera is mounted to a cement ceiling. And you can use the self-tapping screws directly if camera is mounted to a wooden ceiling.

2. Align the ¼-20 UNC Screw Hole on the camera with the mounting bracket and rotate the camera to get it fixed. Tighten the nut.

3. Adjust the surveillance angle.

 1). Loosen the adjusting knob.

 2). Rotate the notch to face or be back to your surveillance scene according to your actual need.

 *Note:*

 To obtain larger angel adjustment range, place the notch back to the surveillance scene if your camera monitors downwards, and place the notch facing the surveillance scene if your camera monitors upwards.

 3). Adjust the panning position from 0° to 360°.

 4). Adjust tilting position from 0° to 90°.

 5). Tighten the adjusting knob.
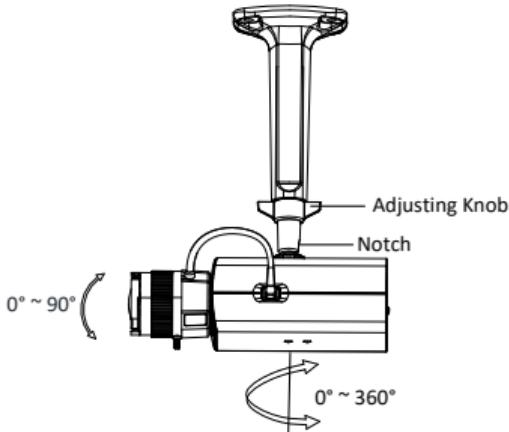


Figure 2-4 Adjusting the Surveillance Angle

4. Adjust the Lens.

 1). Connect the VIDEO OUT interface of the camera to the debugging monitor.

2). Adjust the Zoom Lever and Focus Lever to obtain a perfect image on the monitor.

***Notes:***

- Do not remove the lens cap until you finished the installation to avoid the scrape and dust during the installation and wiring.
- For the camera equipped with the auto iris, it is suggested you change the iris mode to manual from the camera menu (accessed via web browser), and re-change it back to auto iris after you adjust the focus by the focus lever.

## 2.4 Wall Mounting

The camera supports the wall mounting. Here take the steps of the installation.

***Steps:***

1. Fix the wall mounting bracket to the wall with the screws.
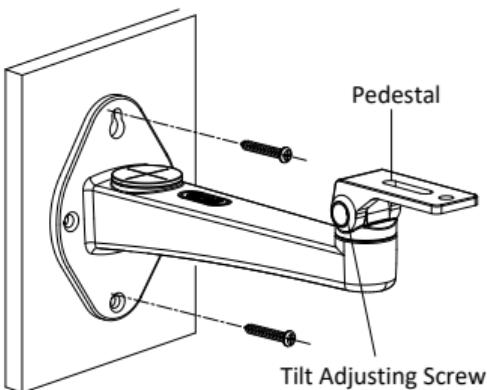


Figure 2-5 Installing the Mounting Bracket

***Note:***

Insert the expansion screws first if the camera is mounted to a cement wall. And you can use the self-tapping screws directly if camera is mounted to a wooden wall.

2. Align the camera to the pedestal, and fix the camera with the supplied screws.
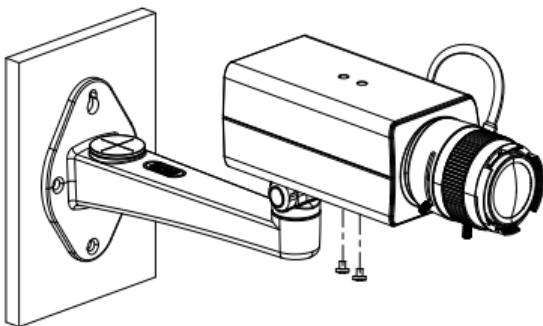
Figure 2-6 Installing the Camera to the Bracket

3. Adjust the camera to the optimal surveillance angle.



-45° to 45°

0° to 360°

Tilt Adjusting Screw

Pan Adjusting Screw
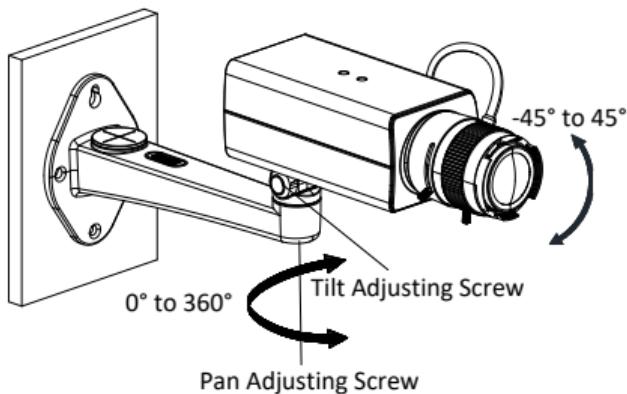
Figure 2-7 Adjusting the Surveillance Angle

1). Loosen the tilt adjusting screw to adjust the tilting position [-45° to 45°]. Tighten the screw.

2). Loosen the pan adjusting screw to adjust the panning position [0° to 360°]. Tighten the screw.

4. Adjust the Lens.

1). Connect the VIDEO OUT interface of the camera to the debugging monitor.

2). Adjust the Zoom Lever and Focus Lever to obtain a perfect image on the monitor.

***Notes:***

● Do not remove the lens cap until you finish the installation to avoid the scrape and dust during the installation and wiring.

● For the camera equipped with the auto iris, it is suggested you change the iris mode to manual from the camera menu (accessed via web browser), and re-change it back to auto iris after you adjust the focus by the focus lever.

# 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.
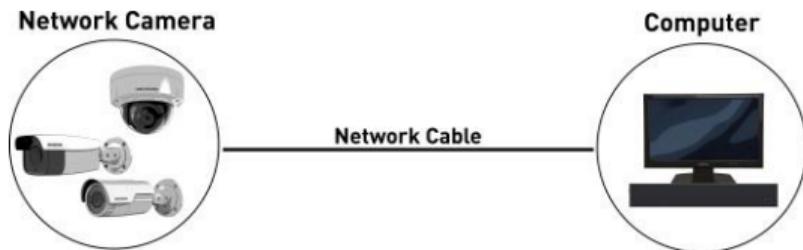


Figure 3-1 Connecting Directly
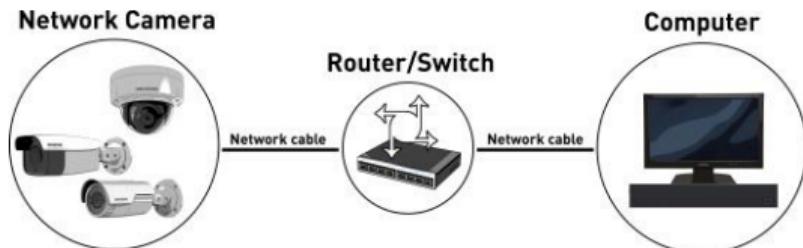


Figure 3-2 Connecting via a Switch or a Router

## 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 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.

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:***

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.
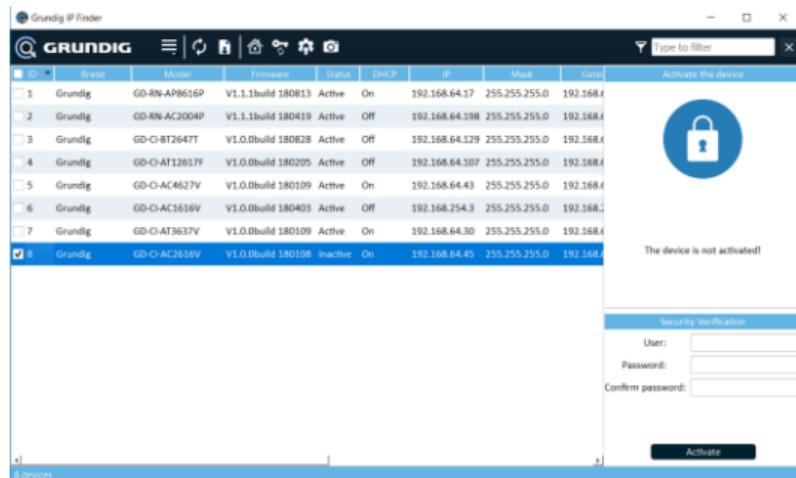
Figure 3-4 Grundig IP-Finder Interface

**Note:**

The software 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.
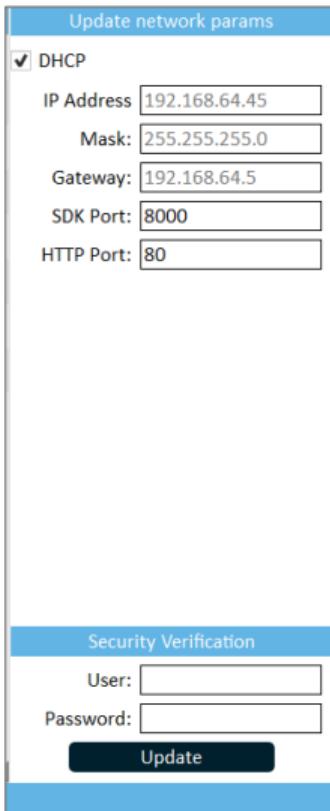
Figure 3-5 Modify the IP Address

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**.
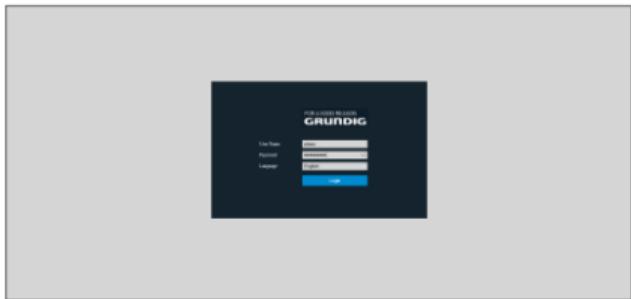


Figure 4-1 Login Interface

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.
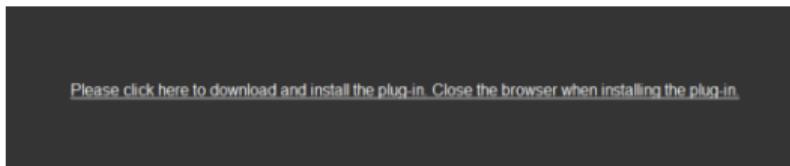
Figure 4-2 Download Plug-in

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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