



Quick Start Guide

GV-Box Camera *GV-BX120D / 220D / 320D*

1 Introduction

Welcome to the *GV-Box Camera Quick Start Guide*. In the following sections, you will learn about the basic installations and configurations of the GV-Box camera (GV-BX120D / 220D / 320D). For a detailed user's manual, see *GV-IPCam H.264 User's Manual* on the GV-IPCam H.264 software CD.

Packing List

- Box Camera
- Terminal Block
- Bag of Six C Mount Lens Adapters
- Video Out Wire
- DC 12V Power Adapter
- GV-IPCAM H.264 Software CD

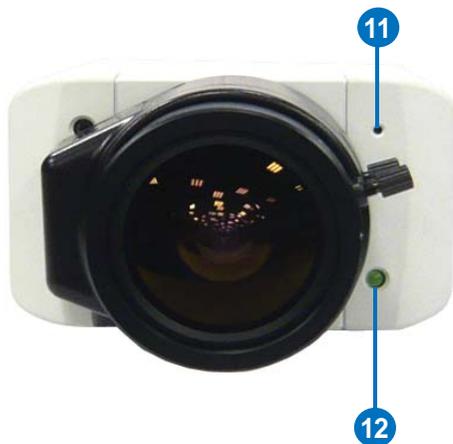
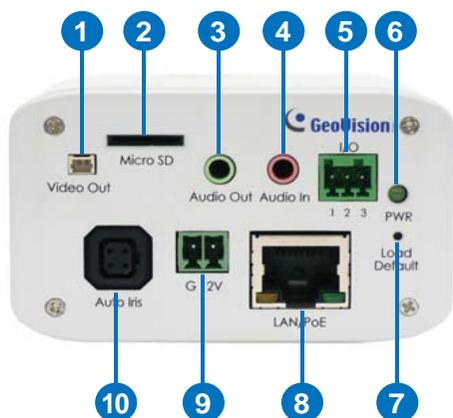


Thank you for purchasing GV-BX120D / 220D / 320D Camera. This guide is designed to assist the new user in getting immediate results from the GV-BX120D / 220D / 320D Camera. For advanced information on how to use the GV-BX120D / 220D / 320D Camera, please refer to *GV-IPCam H.264 User's Manual* on Software CD.

© 2010 GeoVision Inc. All rights reserved.

2010/10
English

ICH264V10-BX-QG-A



No.	Name	Description
1	Video Out	Connects to a portable monitor for setting the focus and angle of Box Camera during initial installation.
2	Micro SD Card Slot	Inserts a micro SD/SDHC card to store recording data.
3	Audio Out	Connects a speaker for audio output.
4	Audio In	Connects a microphone for audio input.
5	I/O Terminal Block	Connects I/O device. For details, see 2.7 <i>I/O Terminal Block</i> in the <i>GV-IPCam H.264 User's Manual</i> on the software CD.
6	Power LED	Indicates the power is supplied.
7	Default	Resets all configurations of the GV-IPCAM H.264 to the default factory settings. See 8. <i>Restoring to Default Settings</i> in the <i>Quick Start Guide</i> .
8	LAN / PoE	Connects to a 10/100 Ethernet or PoE.
9	DC 12V Port	Connects to power.
10	Auto Iris Connector	If the varifocal lens is in use, plug the iris control cable to the connector.
11	Microphone	Records the sounds.
12	Status LED	Turns on when the unit is ready for use.

3 Connecting the Camera

The GV-BX120D / 220D / 320D camera is designed for indoor usage. Please make sure that the installing location is shielded from rain and moisture.



1. Plug the iris control cable to the Auto Iris Connector on the camera.
2. Use a standard network cable to connect the camera to your network.
3. Optionally connect a speaker and an external microphone.
4. Optionally connect a monitor using a Video Out wire. If your signal format is PAL, see the TV Out field in *9.1.1 Video Settings, GV-IPCam H.264 User's Manual* on the software CD.
5. Connect power using one of the following methods:
 - Use the supplied power adapter, connect to power.
 - Use the Power over Ethernet (PoE) function. The power will be provided over the network cable.
6. The status LED of the camera will be on. Then you can set the IP address for the unit. See *5. Accessing the Box Camera* in the *Quick Start Guide*.

4 Optional Installation

A certain distance from the camera's imaging chip is required to focus the lens. Mount the supplied C mount adapter to the camera, and then attach the lens onto the C mount adapter.

The supplied C-mount lens adapters include 3 sizes in thickness:

- 0.188 mm (transparent color) x 2
- 0.125 mm (black color with a glossy surface) x 2
- 0.254 mm (black color with a matt surface) x 2

Note: Besides the supplied 6 units of C-mount lens adapters, each varifocal model has already included with a 0.188 mm C-mount lens adapter.



5 Accessing the Box Camera

System Requirement

To access the box camera through Web browser, ensure your PC connects to the network properly and meets this system requirement:

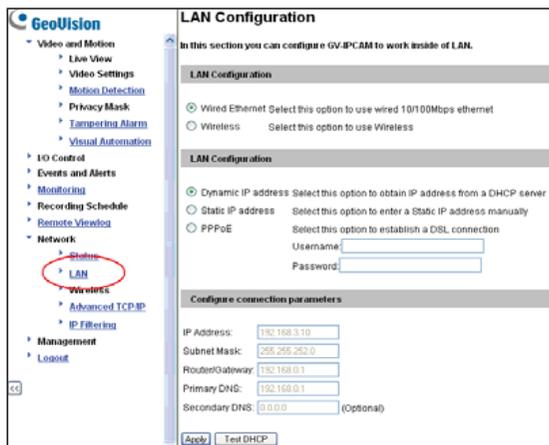
- Microsoft Internet Explorer 6.x or later

Note: For the users of **Internet Explorer 8**, additional settings are required. For details, see *Appendix B in GV-IPCam H.264 User's Manual* on the software CD.

Assigning an IP Address

Designed for use on the network, the GV-Box camera must be assigned an IP address to make it accessible:

1. Open your web browser, and type the default IP address `http://192.168.0.10`.
2. In both Login and Password fields, type the default value **admin**. Click **Apply**.
3. In the left menu, select **Network** and then **LAN** to begin the network settings.



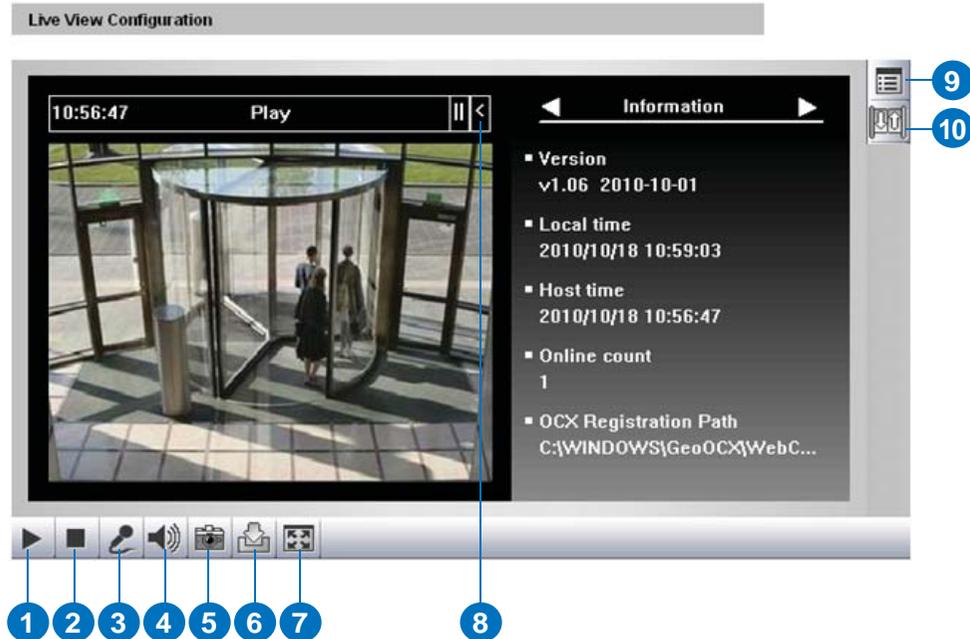
4. Select **Static IP address**. Type IP Address, Subnet Mask, Router/Gateway, Primary DNS and Secondary DNS in the **Configure connection parameters** section.
5. Click **Apply**. The camera is now accessible by entering the assigned IP address on the Web browser.
6. To enable the updating of images in Microsoft Internet Explorer, you must set your browser to allow ActiveX Controls and perform a one-time installation of GeoVision's ActiveX component onto your computer.

Important:

1. **Dynamic IP Address** and **PPPoE** should only be enabled if you know which IP address the camera will get from the DHCP server or ISP. Otherwise you must use the Dynamic DNS service to obtain a domain name linked to the camera's changing IP address first.
2. If **Dynamic IP Address** or **PPPoE** is enabled and you cannot access the camera, you may have to reset the camera to its factory default and then perform the network settings again. To restore factory settings, see *8. Restoring to Default Settings* in the *Quick Start Guide*.

Live View

In this section you can see and configure the default camera view.



No.	Name	Function
1	Play	Plays live video.
2	Stop	Stops playing video.
3	Microphone	Talks to the surveillance area from the local computer.
4	Speaker	Listens to the audio around the camera.
5	Snapshot	Takes a snapshot of live video.
6	File Save	Records live video to the local computer.
7	Full Screen	Switches to full screen view. Right-click the image to see additional options.
8	Control Panel	Displays the camera information, video settings, audio data rate, I/O device status, images captured upon alarm, and GPS location of the camera. Also allows you to adjust image quality and install the program from the hard drive.
9	Show System Menu	Brings up these functions: Alarm Notify, Video and Audio Configuration, Remote Config, Show Camera Name and Image Enhance.
10	I/O Control	Enables the I/O Control Panel and Visual Automation.

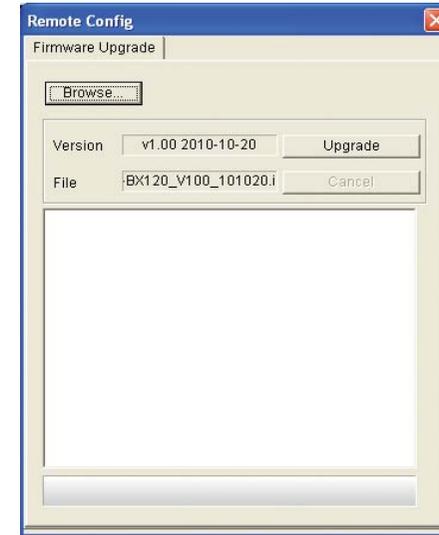
7 Upgrading System Firmware

GeoVision will periodically release the updated firmware on the website. The new firmware can be simply loaded into the GV-IPCAM H.264 by using the Web interface or IP Device Utility included in the Software CD.

Important:

1. While the firmware is being updated,
 - A) the power supply must not be interrupted, and
 - B) do not unplug the Ethernet cable if the cable is the source of power supply (Power over Ethernet or PoE supported).
2. Do not turn the power off within 10 minutes after the firmware is updated.
3. If you use the IP Device Utility for firmware upgrade, the computer used to upgrade firmware must be under the same network of the camera.

1. In the Live View window, click the **Show System Menu** button, select **Remote Config**, and click the **Firmware Upgrade** tab. This dialog box appears.



2. Click the **Browse** button to locate the firmware file (.img) saved at your local computer.
3. Click the **Upgrade** button to start the upgrade.

WARNING: The interruption of power supply during updating causes not only update failures but also damages to the camera. In this case, please contact your sales representative and send your device back to GeoVision for repair.

8

Restoring to Default Settings

To restore factory default settings, follow the steps below:

Directly on the Camera:

1. Unplug the power cable and the network cable to start.
2. Press and hold the **Default** button on the back panel of the camera.



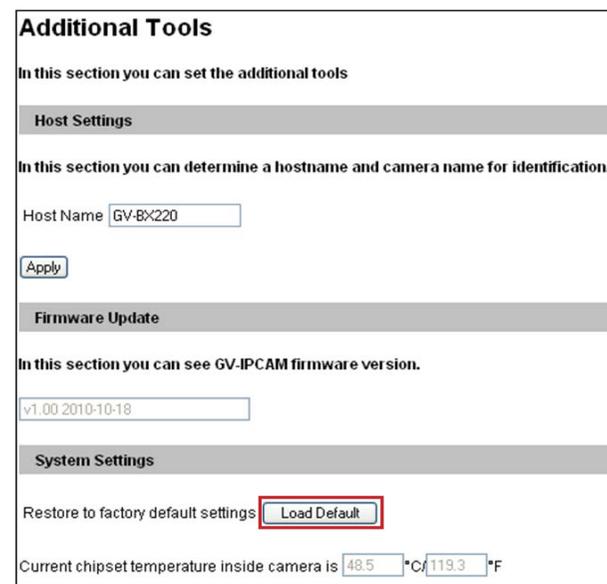
3. Plug the power cable, or the network cable to power on the camera through the PoE adapter. The status LED on the front panel of the camera turns on and then off twice. This may take about 30 seconds.



4. Release the **Default** button and the process of loading default values is complete.

Using the Web Interface:

1. On the left menu of Web interface, select **Management** and select **Tools**. The Additional Tools dialog appears.
2. Click the **Load Default** button in the System Settings section.



The screenshot shows a web interface titled "Additional Tools". It contains several sections: "Host Settings" with a "Host Name" field containing "GV-BX220" and an "Apply" button; "Firmware Update" with a field showing "v1.00 2010-10-18"; and "System Settings" with a "Restore to factory default settings" section containing a "Load Default" button highlighted with a red box. At the bottom, it shows "Current chipset temperature inside camera is 48.5 °C / 119.3 °F".



9F, No. 246, Sec. 1, Neihu Rd., Neihu District, Taipei, Taiwan

Tel: +886-2-8797-8376 Fax: +886-2-8797-8335

support@geovision.com.tw

<http://www.geovision.com.tw>