

GV-IR LED

User's Manual



Before attempting to connect or operate this product,
please read these instructions carefully and save this manual for future use.



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Contents

- Preface..... 1**
- 1. Introduction.....2**
 - 1.1 Features..... 2
 - 1.2 Packing List..... 3
- 2. Connecting GV-IR LED to GV-IPCAM.....4**
- 3. Installing GV-IR LED6**
- 4. Specifications7**

Preface

Welcome to the **GV-IR LED** User's Manual.

The **GV-IR LED** is an indoor-use infrared illuminator, which is designed to work with the **GV-IPCAME** for a better night vision. The **GV-IR LED** can only be compatible with the **GV-IPCAME** supporting wet-contact input devices. The tables below list the compatible and incompatible models of **GV-IPCAME**.

Compatible GV-IPCAME models (with wet-contact support)

Model No.	Description
GV-BX110D	GV-IPCAME, 1.3 M, H.264, D/N

Incompatible GV-IPCAME models (with dry-contact support)

Model No.	Description
81-13MBC-C01	GV-IPCAME, 1.3M, Box
81-13MBC-D01	GV-IPCAME, 1.3M, Box
81-13MVC-C01	GV-IPCAME, 1.3M, Varifocal
81-13MVC-D01	GV-IPCAME, 1.3M, Varifocal
81-13MVD-C01	GV-IPCAME, 1.3M, Vandal Proof Dome
81-13MVD-D01	GV-IPCAME, 1.3M, Vandal Proof Dome

1. Introduction

The **GV-IR LED** is designed to automatically detect the illumination of the environment and determine it to be day mode or night mode. It is also designed to work perfectly with the **GV-IPCAM** to improve the image performance in low-light or night situations.

Featured with the D/N auto detection function, the **GV-IR LED** is able to control the **IR Cut Filter** built in the **GV-IPCAM** through input trigger signals. In night mode of 10 lux or lesser illuminance, the infrared light of **GV-IR LED** will turn on and the camera images will be switched to monochrome to produce better images. In day mode of 20 lux or higher illuminance, the infrared light of **GV-IR LED** will turn off and the camera images will be switched to color. Following is the comparison of the **GV-IPCAM** working with and without the **GV-IR LED** in 10 lux illuminance.



With GV-IR LED



Without GV-IR LED

1.1 Features

- Indoor infrared illumination
- 850 nm LEDs
- 12 IR LEDs for 10-meter illumination distance
- D/N mode auto detection
- 12V DC power supplied from GV-IPCAM. No separate power adapter is required.

1.2 Packing List

The GV-IR LED package includes the following items:

- GV-IR LED x 1 (with a power cable and unshielded wires)



- Bracket x 1



- Hexagon Head Phillips Screw x 1



- Round Head Phillips Screw x 2



2. Connecting GV-IR LED to GV-IPCAM

To connect the GV-IR LED to a GV-IPCAM, follow the steps below:

1. Fasten the bracket to the GV-IPCAM with the hexagon head phillips screw.



Figure 1

2. Fasten the GV-IR LED to the bracket with the round head phillips screws.



Figure 2

2 Connecting GV-IR LED to GV-IPCAME

3. Connect the red unshielded wire to pin 1 (input +) and the black unshielded wire to pin 2 (input -) on the I/O terminal block of the GV-IPCAME.



Figure 3

4. Connect one end of the power cable to the 12V power port on the GV-IPCAME and the other end to the power adapter of the GV-IPCAME.

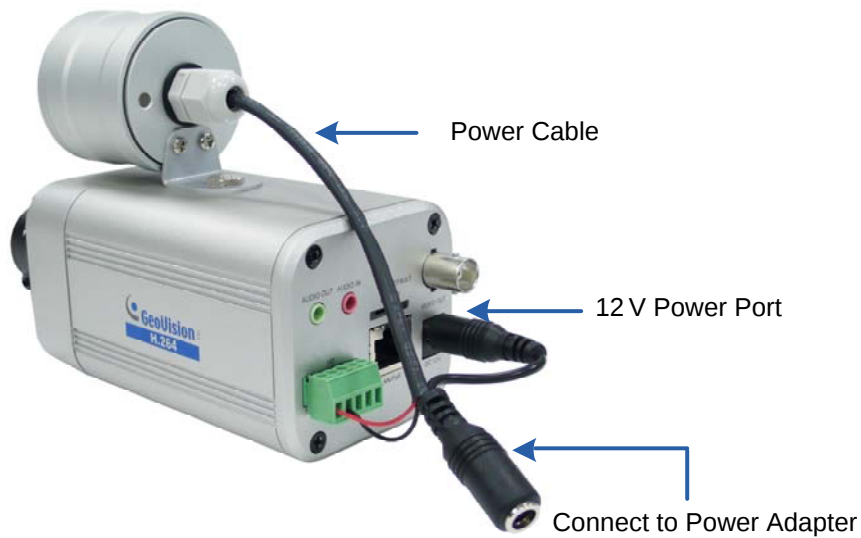


Figure 4

3. Installing GV-IR LED

After connecting the GV-IR LED to the GV-IPCAM, you need to access the Web interface of the GV-IPCAM to install the GV-IR LED. Follow the steps below:

1. Access the Web interface of the GV-IPCAM.

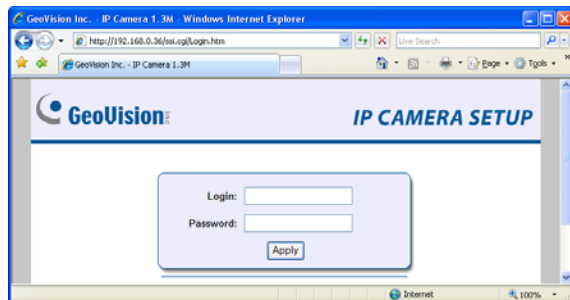


Figure 5

2. Select **Video and Motion**, select **Video Settings**, select **Streaming 1** and set **IR Check Function** to be **Trigger by Input**.

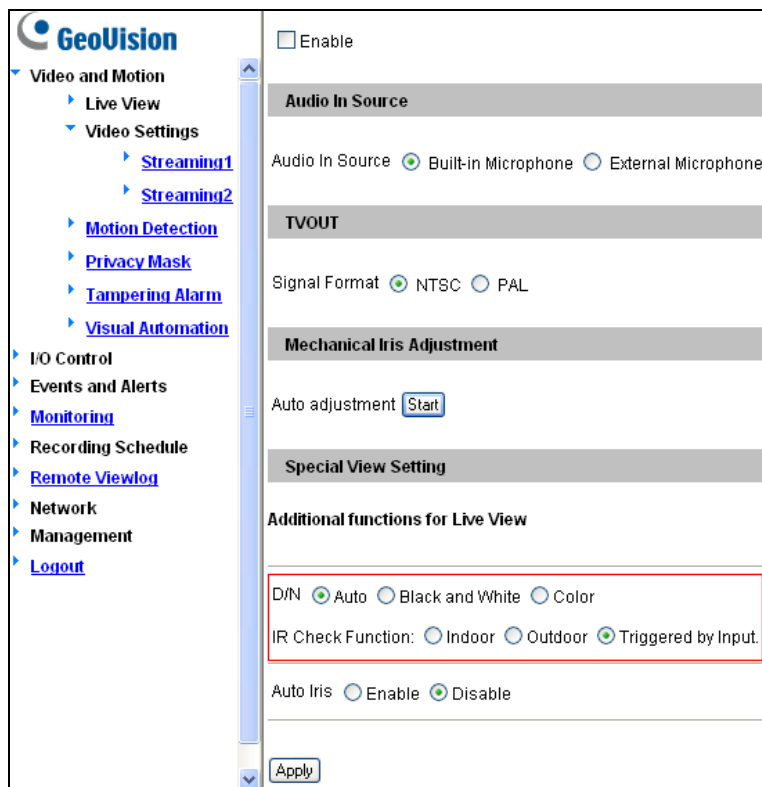


Figure 6

3. Click **Apply**.

4. Specifications

Power	12V DC, 250 mA
IR Wavelength	850 nm
Environment	Indoor use only
Illumination View Angle	35°
Illumination Range	10 m / 32.81 ft
Illumination Life	10,000 hrs
On-Off Conditions	10 lux (On), 20 lux (Off)
Trigger Type	Wet Contact, 0 ~ 5.1V
Operating Temperature	0°C ~ 50°C
Weight	140 g / 0.31 lbs
Dimensions (H x W x D)	49 x 47 x 67 (mm) / 1.93 x 1.85 x 2.64 (in)