GV-LIR32I8-070

Contents

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The **GV-LIR32I8-070** IR LED is designed to work with **GV-Housing102** and **GV-Housing104** to improve the image performance of Box Cameras in low-light or at night. Setting the GV-LIR32I8-070 to be triggered by D/N mode activates the infrared light, and switches the camera images to monochrome to produce better images in Night mode. In Day mode, the infrared light of GV-LIR32I8-070 is turned off, and the camera images are converted to color. It conforms to IP66 and IK10, and has an IR effective distance of up to 60 m (200 ft).
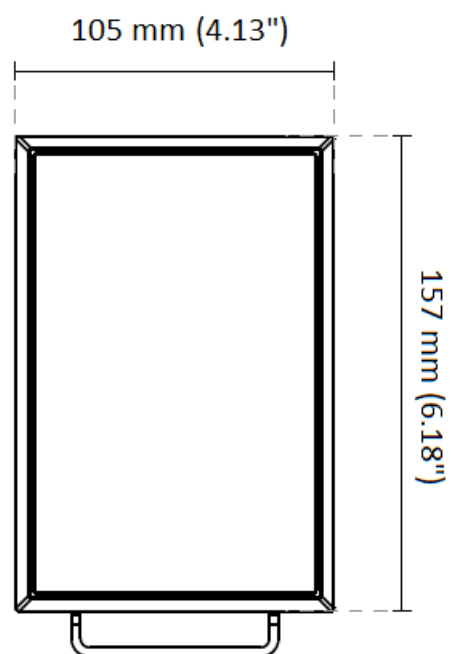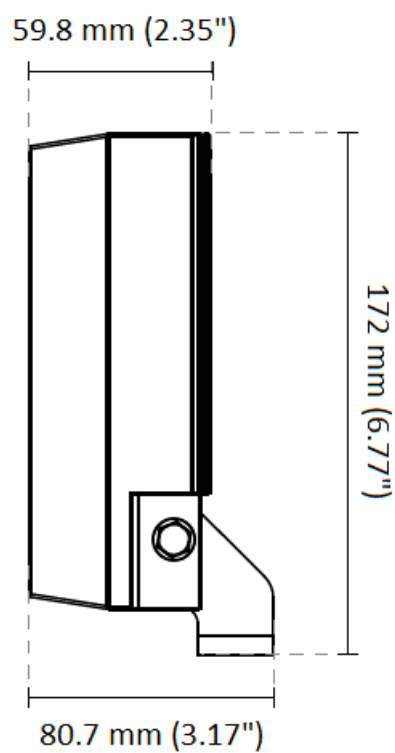
1.1   Features

- Outdoor infrared illumination
- 850 nm LEDs
- 12 IR LEDs for 60-meter illumination

1.2   Packing List

- GV- LIR32I8-070
- Small Washer x 2
- 1/4"-20 Screw x 1
- Power Adapter
- M8 Screw x 1 (extra)
- Large Washer x 2 (extra)
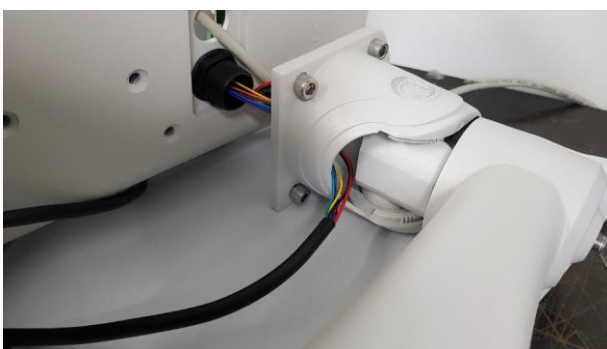- Nut x 1 (extra)

1.3   Dimensions

1.4 Connecting to GV-Housing Box

To install GV-LIR32I8-070, follow the steps below.

1. Secure GV-LIR32I8-070 onto the first hole on the bottom of housing box from the outside using the supplied **1/4"-20 screw** and **two small washers**.

2. Thread all wires from GV-LIR32I8-070 through the node at the base of the supporting rack, and through the bottom of housing box.

3. Twist the supplied power adapter's red wire to the red wire of GV-LIR32I8-070, and the black wire to the black wire.
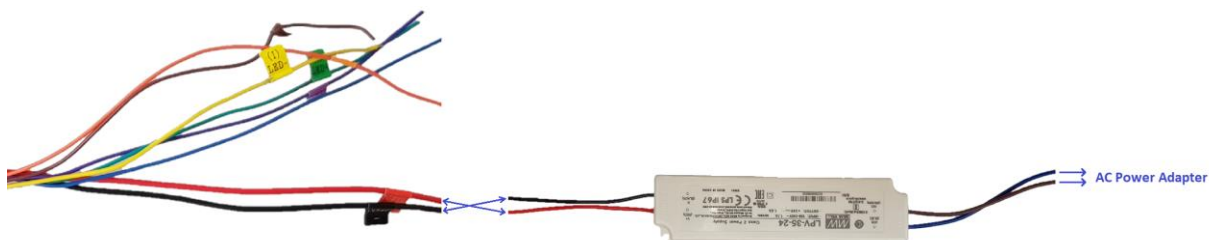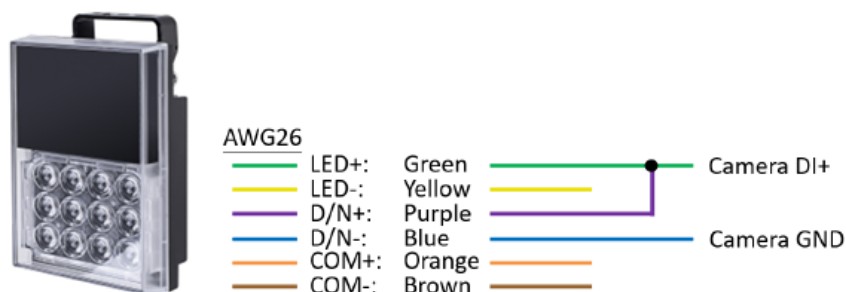
4. For extended power supply, connect the **blue** and **brown** wires of the supplied power adapter to the self-prepared AC power adapter.
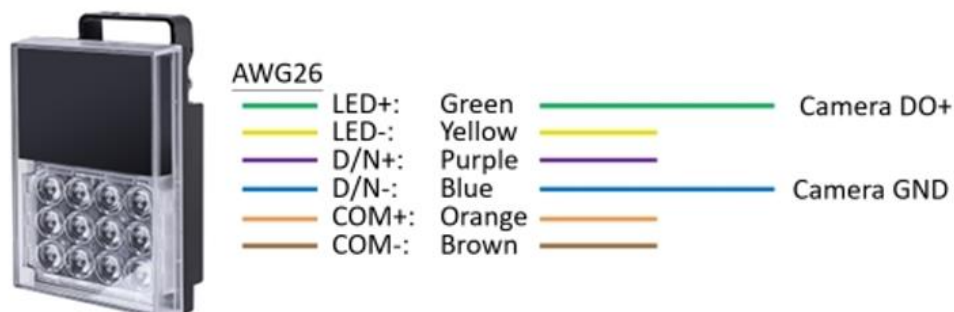

5. Connect LED wires to the I/O terminal block of the camera.

- **GV-Housing102:** Twist together the **green** and **purple** wires of GV-LIR32I8-070 and, along with the **blue** wire, connect to the I/O terminal block of the camera.
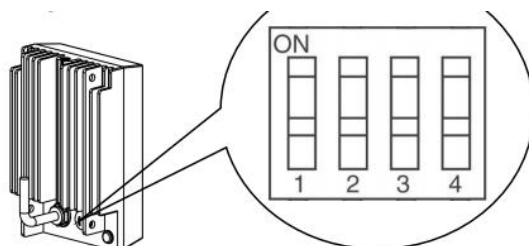
- **GV-Housing104 (for GV-BX2802 and GV-BX4802):** Connect the **green** and **blue** wires of GV-LIR32I8-070 to the I/O terminal block of the camera.

Turn Switch No. 3 and No.4 to the ON position.

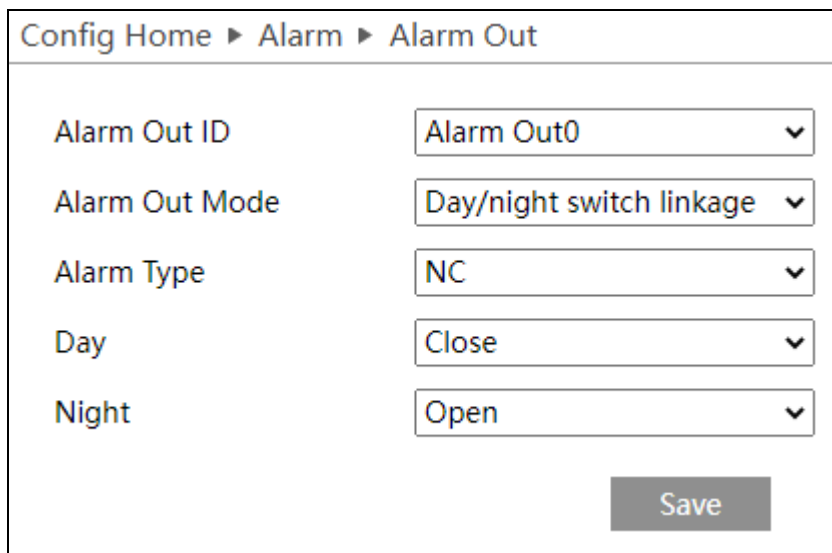| Switch Description	Number	Switch Setting	Specification
Light sensor Threshold	1	[1:2] OFF/OFF	3/30 lux
	2	[1:2] OFF/ON	50/200 lux
		[1:2] ON/OFF	300/600 lux
		[1:2] ON/ON	600/1000 lux
LED ON/OFF mode	3	OFF	Auto (Light Sensor Control)
		ON	Manual (DI Control)
DI Polarity	4	OFF	DI Active Low
		ON	DI Active High

1.5 Activating GV-LIR32I8-070

After connecting the GV-LIR32I8-070 IR LED to GV-IP Camera, you need to access the camera's Web interface to activate GV-LIR32I8-070. Follow the steps below.
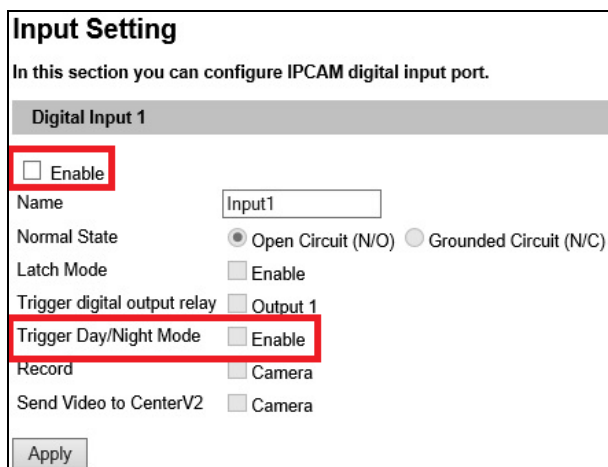
- **GV-BX2802 and GV-BX4802**
1. On the camera's Web interface, select **Config** > **Alarm** > **Alarm Out**.

2. Select the **Alarm Out ID** where the GV-LIR32I8-070 LED wires are connected, and select **Day/night switch linkage**. Click **Save**.

- **GV-IP Camera**
1. On the camera's Web interface, select **I/O Control** in the left menu, select **Input Setting**, enable the following options, and click **Apply**.

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2. Select **Video and Motion** in the left menu, select **Video Setting**, select **Triggered by Input** under Special View Setting, and click **Apply**.