

## WHITE LIGHT AND IR LED ILLUMINATORS

<b>DW-ILWLIPM</b>	<b>DW-ILIRIP940</b>	<b>DW-ILHYBIP940</b>
	<b>DW-ILIRIP850</b>	<b>DW-ILHYBIP850</b>

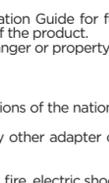


### WHAT'S IN THE BOX

1x Illuminator
1x Waterproof cap
1x Mounting bracket
2x M6 screw and washer sets for the mounting bracket
1x Hex key
1x Front cover opener
1x Diffuser pack (30°, 60°, 95°) * 20° and 80° diffusers are available upon request.
1x Telemetry cable (Optional. Sold separately)
1x Quick setup guide

**NOTE:** Download all your support materials and tools in one place

- Go to: <http://www.digital-watchdog.com/resources>
- Search your product by entering the part number in the **'Search by Product'** search bar. Results for applicable part numbers will populate automatically based on the part number you enter.
- Click **'Search'**. All supported materials, including manuals and quick start guide (QSGs) will appear in the results.



**Attention:** This document is intended to serve as a quick reference for the initial set-up. It is recommended that the user read the entire instruction manual for complete and proper installation and usage.

## SAFETY AND WARNING INFORMATION

Read through this Installation Guide carefully before installing the product. Keep the Installation Guide for future reference. See the user manual for more information on the proper installation, use and care of the product. These instructions are intended to ensure that users can use the product correctly to avoid danger or property loss. Warnings: Serious injury or death may occur if any of the warnings are neglected. Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

### WARNING

- In the use of the product, you must be strict compliance with the electrical safety regulations of the nation and region. When the product is mounted on a wall or ceiling, the device shall be firmly fixed.
- When installing the camera, fasten it securely and firmly. A falling camera may cause personal injury.
- Do not install in a location subject to elevated temperature, low temperature, or high humidity. Doing so may cause fire or electric shock.
- Do not place conductive objects (e.g. screwdrivers, coins, metal items, etc.) or containers filled with water on top of the camera. Doing so may cause personal injury due to fire, electrical shock, or falling objects.
- Do not install in humid, dusty, or sooty locations. Doing so may cause fire or electric shock.
- Do not install near any heat sources such as radiators, heat registers, or other products (including amplifiers) that produce heat.
- Keep out of direct sunlight and heat radiation sources. It may cause a fire.
- If any unusual smells or smoke come from the unit, stop using the product at once. Immediately disconnect the power source and contact the service center. Continued use in such a condition may cause fire or electric shock.
- If this product does not operate normally, contact the nearest service center. Never disassemble or change this product in any way.
- When cleaning the product, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.

### CAUTION

- Use proper safety gear when installing and wiring the product.
- Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
- Do not use this product near water.
- The product shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.
- Avoid aiming the camera directly towards extremely bright objects such as the sun, as this may damage the image sensor.
- The Main plug is used as a disconnect device and shall stay readily operable at any time.
- Remove the power adapter from the outlet when there is lightning. Neglecting to do so may cause fire or damage to the product.
- Do not block any ventilation openings. Install following the manufacturer's instructions.
- A polarized or grounding-type plug is recommended for this product. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. If the provided plug does not fit into your outlet, consult an electrician for replacement.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
- If any laser equipment is used near the product, make sure the surface of the sensor is not exposed to the laser beam as that may damage the sensor module.
- If you want to move the already installed product, be sure to turn off the power and then move or reinstall it.
- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- If cleaning is necessary, please use a clean cloth to wipe it gently. If the device will not be used for a long time, please cover the lens cap to protect the device from dirt.
- Do not touch the camera's lens or sensor module with fingers. If cleaning is necessary, please use a clean cloth to wipe it gently. If the device will not be used for a long time, please cover the lens cap to protect the device from dirt.
- Use only attachments/accessories specified by the manufacturer.
- Always use hardware (e.g. screws, anchors, bolts, locking nuts, etc.) compatible with the mounting surface and of sufficient length and construction to ensure a secure mount.
- Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product.
- Unplug this product when a cart is used. Use caution when moving the cart/product combination to avoid injury from tip-over.
- Refer all servicing to qualified service personnel. Servicing is needed when the product has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

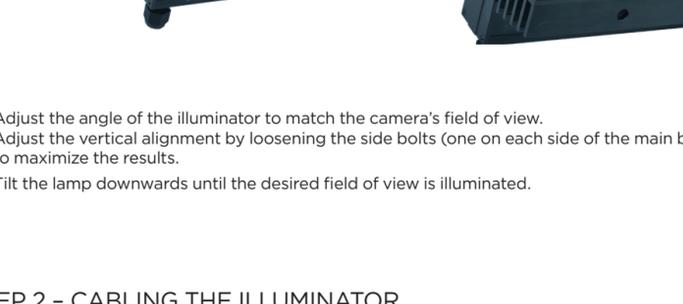
## STEP 1 – INSTALLATION

### NOTE:

- Only to be installed out of arms reach.
- Installation should be done by skilled personnel or under supervision of such personnel.
- The illuminator is PoE+.
- Only to be installed in restricted access areas.
- Terminal block not included. Installation may require advice from a qualified person.

Optimum results are achieved by setting up at night and viewing the results on a monitor.

- Attach the illuminator mount to wall or camera housing using appropriate hardware.
- Select a diffuser with an appropriate angle based on your installation needs. To position the required diffuser sheet, using the supplied pry tool, insert it into the slot located on the bottom of the lens. Gently lift the cover upwards slowly. Repeat at the opposite end and carefully remove the cover. Remove the backing sheet from the two adhesive discs and secure the required diffuser in position. Finally, firmly clip the lens cover back into place.



- Adjust the angle of the illuminator to match the camera's field of view.
- Adjust the vertical alignment by loosening the side bolts (one on each side of the main body) to maximize the results.
- Tilt the lamp downwards until the desired field of view is illuminated.

## STEP 2 – CABLING THE ILLUMINATOR

Connect to PoE+ switch or PoE+ injector for power and network connection.

Power requirements	Power consumption
PoE+ (IEEE802.3at)	26W

**NOTE:** Illuminator will flash once every second when insufficient power is applied.

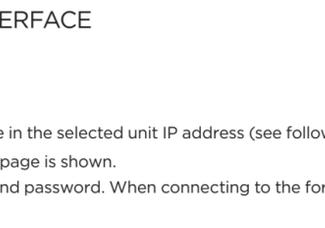
Illuminators are powered by Power over the Ethernet (PoE+) via a network cable connector to a PoE IEEE802at compliant switch. The power consumption of the illuminators complies with PoE+ IEEE802at.

(1m) long network cable with a power cord. Instead, they are supplied with a 3.28ft (1m) long network cable. At the end of the power cord, there is a female RJ45 Cat5e compliant jack with the cable cover.

To use the illuminator's waterproof wiring:

- Install the LAN cable into **a**.
- b** will be assembled to **a** with a 1/4 turn.
- Thread **c** tightly to **b**.

**NOTE:** To ensure moisture seal, make sure the o-ring is in place between **a** and **b**. In extreme environments use of an outdoor rated sealer is recommended.



**NOTE:** When using the waterproof cap, crimp the RJ45 connector after passing the cable through the waterproof cap.

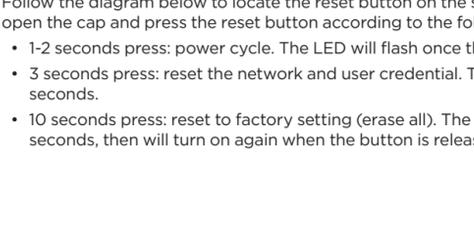
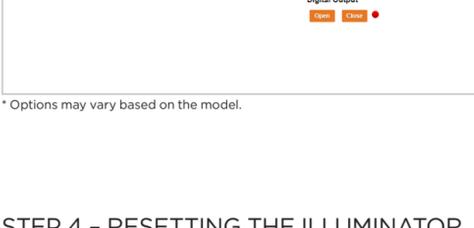
**NOTE:** Ensure that the cable cover is correctly connected and attached to the network cable. If this is not correctly connected, moisture can get into the connector and may cause the unit to malfunction. Incorrect installation would void the warranty on the product.

## STEP 3 – WEB INTERFACE

Login

- Open a web browser.
- In the address field, type in the selected unit IP address (see following).
- The user interface login page is shown.
- Create username and password. When connecting to the for the first time, a password must be set.

**NOTE: Default IP address: 192.168.1.10**

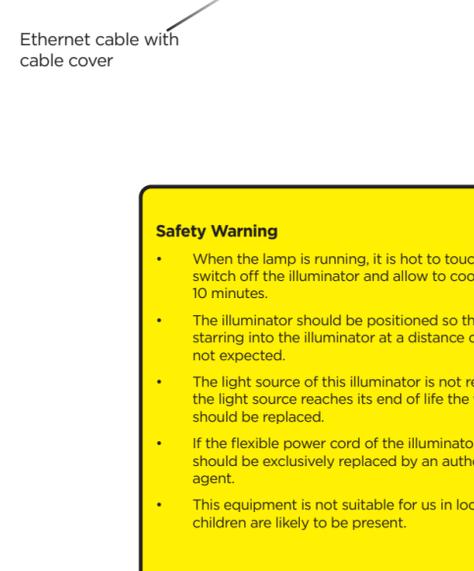


\* Options may vary based on the model.

## STEP 4 – RESETTING THE ILLUMINATOR

Follow the diagram below to locate the reset button on the side of the illuminator. Unscrew and open the cap and press the reset button according to the following options:

- 1-2 seconds press: power cycle. The LED will flash once the button is released.
- 3 seconds press: reset the network and user credential. The LED will flash 3 times after 3 seconds.
- 10 seconds press: reset to factory setting (erase all). The LED will flash 3 times after 3 seconds, then will turn on again when the button is released after 10 seconds.



**RISK GROUP 2 CAUTION**  
IR emitted from this product

**Safety Warning**

- When the lamp is running, it is hot to touch. Before switching off the illuminator and allow to cool for a minimum of 10 minutes.
- The illuminator should be positioned so that prolonged staring into the illuminator at a distance closer than 1m is not expected.
- The light source of this illuminator is not replaceable, when the light source reaches its end of life the whole illuminator should be replaced.
- If the flexible cord of the illuminator is damaged it should be exclusively replaced by an authorized service agent.
- This equipment is not suitable for us in locations where children are likely to be present.



Tel: +1 (866) 446-3595 / (813) 888-9555 digital-watchdog.com

Technical Support Hours: 9:00AM – 8:00PM EST, Monday through Friday

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