



## Performance Series

HB74H(X)

True Day/Night Bullet  
Camera with IR LEDs

## Quick Installation Guide

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

The information in this publication is believed to be accurate in all respects. However, Honeywell cannot assume responsibility for any consequences resulting from the use thereof. The information contained herein is subject to change without notice. Revisions or new editions to this publication may be issued to incorporate such changes.

## **Regulatory Information**

### **FCC Information**

**FCC compliance:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**NOTE:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

## EU Conformity Statement



This product and - if applicable - the supplied accessories comply with the applicable harmonized European standards listed under the Low Voltage Directive 2006/95/EC, the EMC Directive 2004/108/EC, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

## Safety Instructions

These instructions are intended to ensure that users can use the product correctly to avoid danger or property loss.

The precautions are divided into "Warnings" and "Cautions".

**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.

	
<b>Warnings</b> Follow these safeguards to prevent serious injury or death.	<b>Cautions</b> Follow these precautions to prevent potential injury or material damage.



### Warnings

**WARNING:** Installation and servicing should be performed only by qualified and experienced technicians to conform to all local codes and to maintain your warranty.

**WARNING:** This device is configured for 12 V DC operation only. Do not connect to a higher voltage. Use only with NRTL approved Class 2 or LPS power supplies. To prevent potential ground loop issues, a separate PSU should be used for each camera. A multiple-output PSU may be used if the multiple output PSU has isolated and protected (2 A max) outputs.



### Cautions

**CAUTION:** The light emitted from the near-infrared light emitting diodes (LEDs) provides illumination over a wide area. This light is not considered a risk to the unshielded human eye. However, as with any light source, it is recommended that normal precautions be taken to avoid unnecessary

exposure. For example, avoid staring into the beam or viewing the LEDs directly with optical instruments at close range.

### **Important Safety Instructions**

- Read and keep these instructions.
- Ensure that your installation area can safely support 3 times the weight of the camera.
- Do not install the camera in extreme temperature conditions. Only use the camera where temperatures are within the limits shown in the camera specifications. Be especially careful to provide ventilation when operating under high temperatures.
- Do not install indoor rated cameras where they will be exposed to rain or moisture.
- To prevent damage to the imager, do not aim the camera toward an extreme light source.
- Do not touch the camera lens, dome or bezel (front glass plate).
- Do not drop the camera or subject it to physical shock.
- Do not use strong or abrasive cleaners, clean only with a soft cloth and mild detergent or alcohol.
- Do not open the camera or attempt to service it yourself. Refer all service issues to your dealer.

## Table of Contents

<b>Introduction</b> .....	<b>7</b>
Product Features .....	7
Overview .....	7
<b>Installation</b> .....	<b>8</b>
Mounting the Camera on a Ceiling .....	8
Power Supply .....	11

# Introduction

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## Product Features

This series of camera adopts a new generation imaging sensor with high sensitivity and advanced circuit design technology. It features high resolution, low image distortion, and low noise. It is ideal for surveillance systems and image processing systems.

- High-performance imaging sensor supplies high resolution high-quality images
- IR LEDs enable day/night surveillance
- IR cut filter automatic switching
- ATW provides high color rendition
- Ingress protection: IP66-rated

## Overview

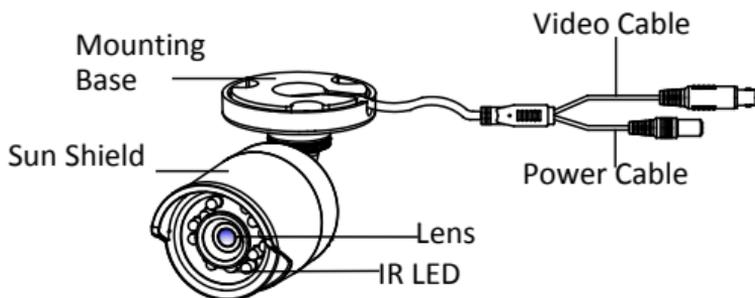


Figure 1-1 Overview of Camera

# Installation

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## ***Before you start:***

- Make sure that all related equipment is powered-off during the installation.
- Check that the camera specification agrees with the installation environment.
- To avoid damage, ensure the power supply voltage matches your camera requirements.
- If the product does not function properly, please contact your dealer or the nearest service center. Do not disassemble the camera for repair or maintenance by yourself.
- Please make sure that the installation surface is strong enough to withstand three times the weight of the camera.

## **Mounting the Camera on a Ceiling**

### ***Steps:***

1. Drill the screw holes and the cable hole in the ceiling according to the supplied mounting template (see Figure 1-2).
2. Hammer the supplied plastic expansion bolts into the screw holes.

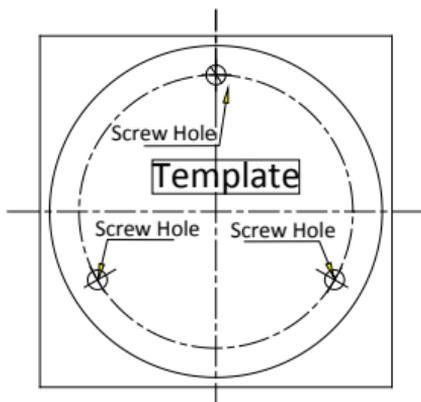


Figure 1-2 HB74H(X) Mounting Template

3. Route the cables through the cable hole and connect the corresponding power and video (BNC) cables.
4. Secure the camera to the ceiling with the self-tapping screws (supplied).

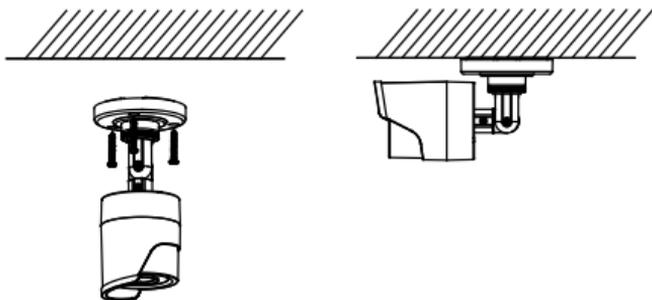


Figure 1-3 Securing the Camera to the Ceiling

5. Adjust the surveillance angle (refer to Figure 1-4 while adjusting the angle).
- 1).Loosen adjusting screw No.1 to adjust the panning position [0° ~ 360°].
  - 2).Tighten adjusting screw No.1 when the panning position is set.
  - 3).Loosen adjusting screw No.2 to adjust the tilting position [0° ~ 90°].
  - 4).Tighten adjusting screw No.2 when the tilting position is set.
  - 5).Loosen adjusting screw No.3 to adjust the rotation angle [0° ~ 360°].
  - 6).Tighten adjusting screw No.3 when the rotation position is set.

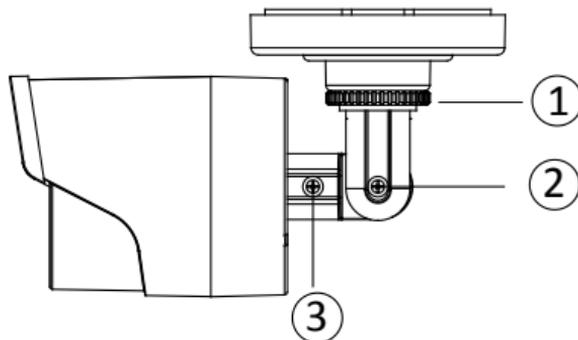


Figure 1-4 Adjusting the Angle

## Power Supply

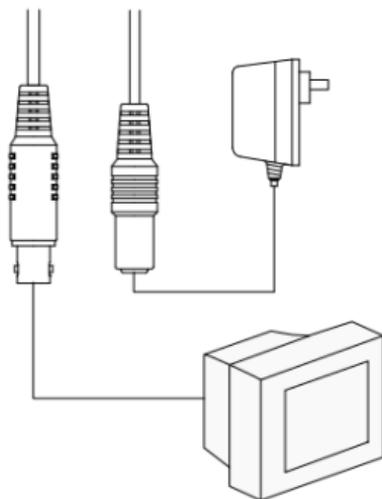


Figure 1-5 Power (12 V DC) and Video (BNC) Cable Connections

**Note:** Please make sure that the power adapter is compatible with the camera, and the standard power supply is 12 V DC. Please refer to the camera's technical specifications for more information.

# Honeywell

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<https://www.honeywellsystems.com/ss/techsupp/index.html>

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