



HD31H(X)



HD30H(X)



HD40H(X)

Performance Series Camera

User Guide

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

This manual applies to HD40H(X), HD30H(X) and HD31H(X) cameras.

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.



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.

	
Warnings Follow these safeguards to prevent serious injury or death.	Cautions 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.

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Introduction

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, which makes it ideal for surveillance systems and image processing systems.

- High-performance sensor supplies high resolution high-quality images
- IR LEDs enables day/night surveillance (HD30H and HD31H)
- Day/night automatic switching
- ATW provides high color rendition
- Automatic electronic shutter control to adapt to the different surveillance environments
- Automatic gain control, with adaptive brightness
- High SNR provides high-quality image
- Ingress protection: IP66-rated (HD30H and HD31H)

Notes: HD40H(X) camera does not support day/night auto switching and IP66 ingress protection.

Overview

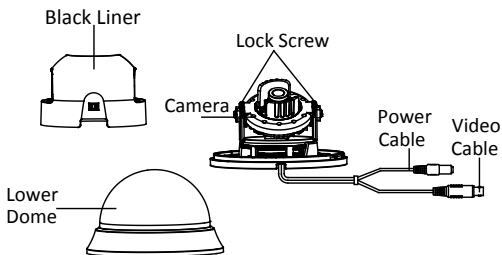


Figure 1-1 Overview of HD40H(X) Camera

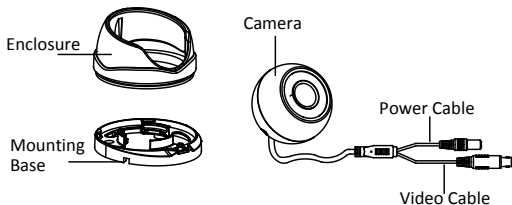


Figure 1-2 Overview of HD30H(X) Camera

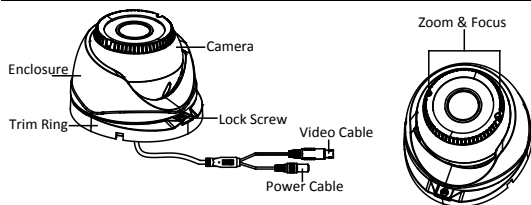


Figure 1-3 Overview of HD31H(X) Camera

Installation

Before you start:

- Make sure that the camera is in good condition and all of the assembly parts are included.
- 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.
- Make sure that the installation surface is strong enough to withstand three times the weight of the camera.

Ceiling/Wall Mounting for HD40H(X) Camera

Steps:

1. Hold the mounting base, and rotate the lower dome counterclockwise to disassemble the lower dome and the black liner (see Figure 1-5).
2. Drill the screw holes and the cable hole in the ceiling/wall according to the supplied mounting template.

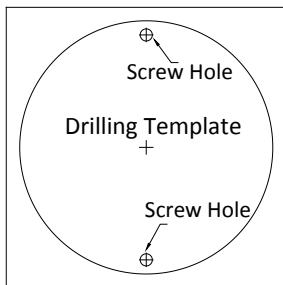


Figure 1-4 HD40H(X) Mounting Template

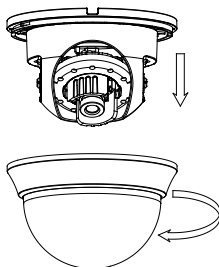


Figure 1-5 Disassembling the Camera

3. Route the cables through the cable hole and connect the corresponding power and video (BNC) cables.

4. Fix the mounting base to the ceiling/wall with the supplied mounting screws.

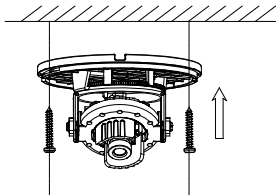


Figure 1-6 Fix the Mounting Base to the Ceiling/Wall

5. Adjust the surveillance angle:
 - 2). Loosen the locking screws beside the lens (see Figure 1-1).
 - 3). Adjust the camera position from the pan angle $[0^{\circ}\sim 355^{\circ}]$, tilt angle $[0^{\circ}\sim 90^{\circ}]$, and lens rotation $[0^{\circ}\sim 355^{\circ}]$ to get the optimum angle.
 - 4). Tighten the locking screws.

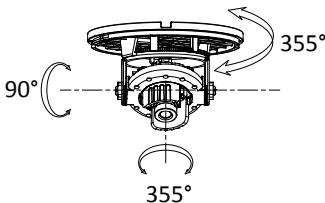


Figure 1-7 3-axis Angle Adjustment

6. Fit the black liner back to the camera.

7. Install the lower dome back to the mounting base and rotate it clockwise to secure the lower dome.

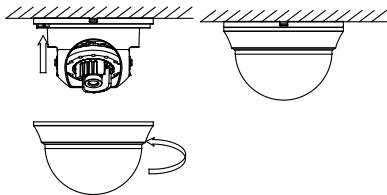


Figure 1-8 Completing the Installation

Ceiling/Wall Mounting for HD30H(X) Camera

Steps:

1. Drill the screws holes and the cable hole in the ceiling/wall according to the supplied mounting template.

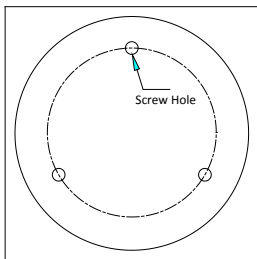


Figure 1-9 HD30H(X) Mounting Template

2. Fix the mounting base to the ceiling/wall with the supplied mounting screws.

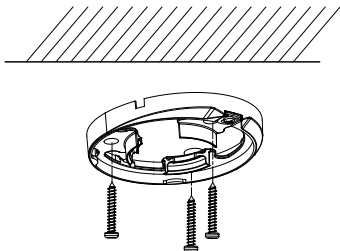


Figure 1-10 Installing the Mounting Base

3. Route the cables through the cable hole and connect the corresponding power and video (BNC) cables.

- Secure the camera to the mounting base.
- Fix the enclosure to the camera.

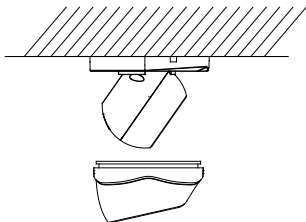


Figure 1-11 Installing the Camera and the Enclosure

- Adjust the camera position according to the figure below to get an optimum surveillance angle.

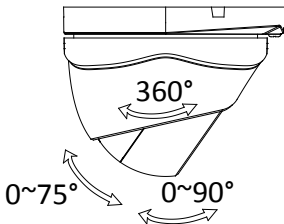


Figure 1-12 3-axis Angle Adjustment

Ceiling Mounting for HD31H(X) Camera

1. Drill the screws holes and the cable hole in the ceiling/wall according to the supplied mounting template.

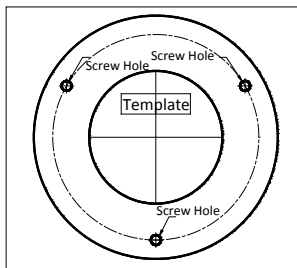


Figure 1-13 HD31H(X) Mounting Template

2. Loosen the locking screw, and pull the clip plate outward to disassemble the camera from the mounting base.

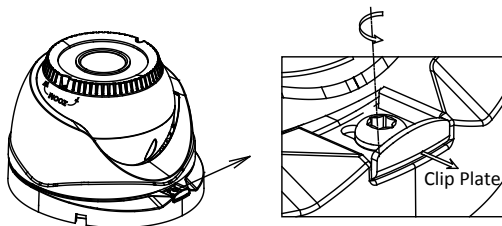


Figure 1-14 Disassembling the Camera

3. Fix the mounting base to the ceiling/wall with the supplied mounting screws.

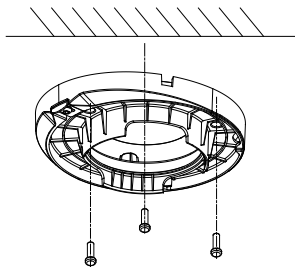


Figure 1-15 Installing the Mounting Base

4. Route the cables through the cable hole and connect the corresponding power and video (BNC) cables.
5. Secure the camera to the mounting base by pushing the camera into base so it is held by the clips. Push the clip plate back into place and tighten the locking screw (see Figure 1-16).

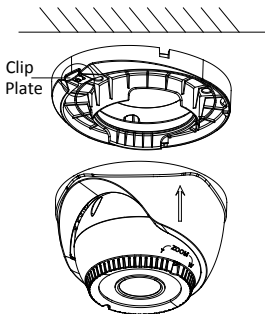


Figure 1-16 Installing the Camera and the Enclosure

6. Adjust the camera position according to the figure below to get an optimum surveillance angle.

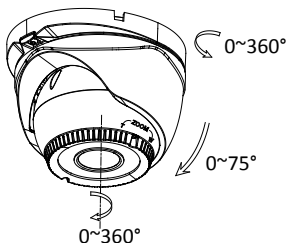


Figure 1-17 3-axis Angle Adjustment

7. Use a slotted screwdriver to adjust the ZOOM screw and the FOCUS screw until you get the optimum image on the connected monitor.

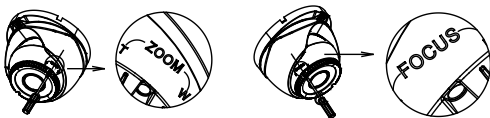


Figure 1-18 Zoom and Focus Adjustment

Power Supply

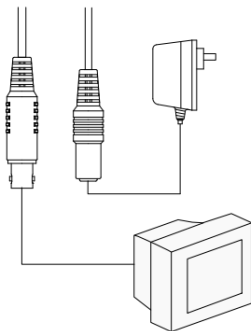


Figure 1-19 Power (12 V DC) and Video (BNC) Cable Connections

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.



www.honeywellvideo.com

+1.800.323.4576 (North America only)

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

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