

## Bullet Camera

### User Manual

UD.6L0201D0170A01

www.hikvision.com

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

Type	Model
I	DS-2CE1582P(N)-IR DS-2CE15C2P(N)-IR
II	DS-2CE1682P(N)-IT3 DS-2CE16C2P(N)-IT3
III	DS-2CE1682P(N)-IT5 DS-2CE16C2P(N)-IT5
IV	DS-2CE1582P(N)-VFIR3

This manual may contain several technical incorrect places or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.

#### DISCLAIMER STATEMENT

Underwriters Laboratories Inc. ("UL") has not tested the performance or reliability of the security or signaling aspects of this product. 0100001030115

UL has only tested for fire, shock or casualty hazards as outlined in UL's Standard(s) for Safety, UL60950-1.

UL Certification does not cover the performance or reliability of the security or signaling aspects of this product. UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY SECURITY OR SIGNALING RELATED FUNCTIONS OF THIS PRODUCT.

#### Regulatory Information

##### FCC Information

**FCC compliance:** This equipment has been tested and found to comply with the limits for a digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

##### FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

#### EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply

therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2006/95/EC, the EMC Directive 2004/108/EC.



2002/96/EC (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).



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union.

See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

## 1 Introduction

### 1.1 Product Features

This series of camera adopts new generation sensor with high sensitivity and advanced circuit design technology. It features high resolution, low image distortion and low noise features, etc., which makes it suitable for surveillance system and image processing system.

- High-performance sensor and high resolution bring high-quality image
- IR LED enables the day/night surveillance
- IR cut filter auto switch
- ATW brings high color rendition
- Ingress protection: IP66

### 1.2 Overview

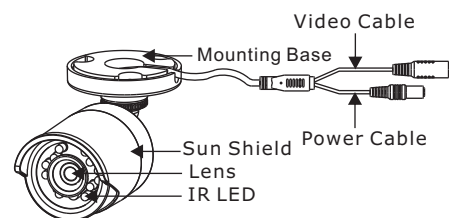


Figure 1-1 Overview of Type I Camera

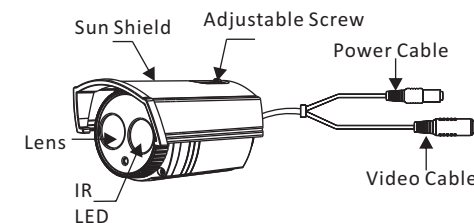


Figure 1-2 Overview of Type II Camera

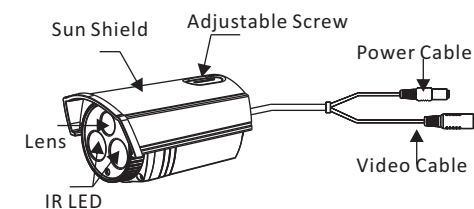


Figure 1-3 Overview of Type III Camera

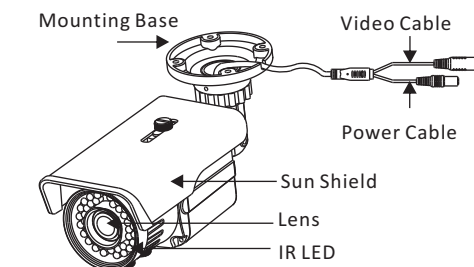


Figure 1-4 Overview of Type IV Camera

## 2 Installation

### Before you start:

- Make sure that all the related equipment is power-off during the installation.
- Check the specification of the products for the installation environment.
- Check whether the power supply is matched with your AC outlet to avoid damage.
- 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 ceiling or the wall is strong enough to withstand 3 times the weight of the camera.

## 2.1 Ceiling Mounting for Type I Camera

### Steps:

1. Drill the screw holes and the cable hole on the ceiling according to the supplied drill template.

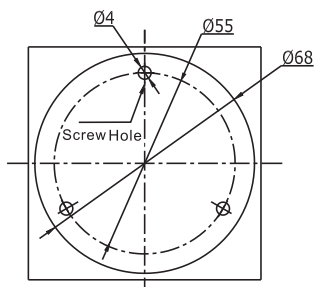


Figure 2-1 Drill Template

2. Route the cables to the cable hole and connect the corresponding power cable and video cable.
3. Secure the camera to the ceiling with the self-tapping screws.

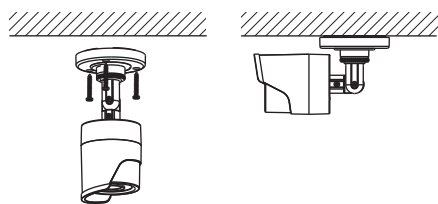


Figure 2-2 Secure the Camera to the Ceiling

4. Adjust the Lens.

- 1). Loosen the panning table to adjust the panning position (0° to 360°).
- 2). Tighten the panning table.
- 3). Loosen the tilting lock screw to adjust the tilting position (0° to 90°).
- 4). Tighten the tilting lock screw.
- 5). Loosen the rotation lock screw to adjust the azimuth angle of the image (0° to 360°).
- 6). Tighten the rotation lock screw.

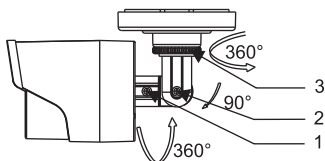


Figure 2-3 Adjust the Lens

## 2.2 Ceiling Mounting for Type II/III Camera

### Steps:

1. Secure the mount to the wall with the screws.

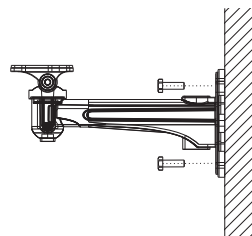


Figure 2-4 Secure the Mount

2. Secure the camera to the mount with the screws to complete the installation.

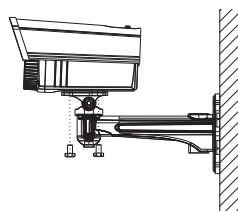


Figure 2-5 Secure the Camera

## 2.3 Ceiling Mounting for Type IV Camera

### Steps:

1. Drill the screws holes and the cable hole on the ceiling according to the supplied drill template.

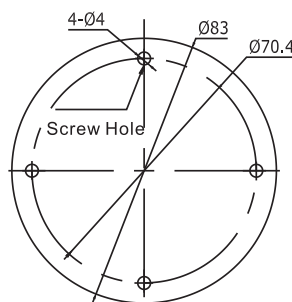


Figure 2-6 Drill Template

2. Route the cables to the cable hole and connect the corresponding cables.
3. Secure the camera to the ceiling with the self-tapping screws.

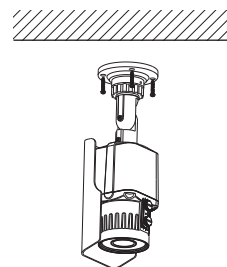


Figure 2-7 Secure the Camera to the Ceiling

4. Adjust the lens.

- 1). Loosen the panning table to adjust the panning position (0° to 360°).
- 2). Tighten the panning table.
- 3). Loosen the tilting lock screw to adjust the tilting position (0° to 90°).
- 4). Tighten the tilting lock screw.
- 5). Loosen the rotation lock screw to adjust the azimuth angle of the image (0° to 360°).
- 6). Tighten the rotation lock screw.

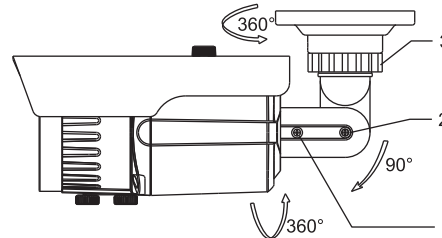


Figure 2-8 Lens Adjustment

5. Adjust the Zoom and the Focus

- 1). Output the image to the monitor.
- 2). Adjust the Zoom Screw and Focus Screw till you get the optimum surveillance angle.

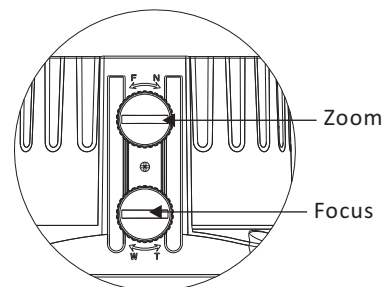


Figure 2-9 Zoom and Focus Adjustment

## 2.4 Power Supply

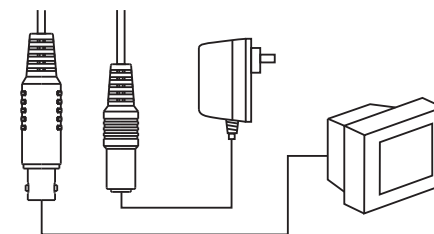


Figure 2-10 The Power Cable & the Video Cable

### Note:

Please make sure that the power adapter is compatible with the camera, and the standard power supply is 12V DC. Please refer to the technical specification for more information.