



HIKVISION

TURBO HD

TVI Bullet & Turret Camera

User Manual

UD.6L0201D2097A01

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

This manual is applicable to the models below (X indicates certain character(s), e.g.: DS-2CE16CXT-ITX can be DS-2CE16C0T-ITP/DS-2CE16C0T-ITMM)

Type	Model
Type I	DS-2CE16CXT-IT
Type II	DS-2CE16CXT-ITX
Type III	DS-2CE56CXT-ITX

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.

Please refer to the product specification for camera parameters and functions.

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Privacy Notice

Surveillance laws vary by jurisdiction. Check all relevant laws in your jurisdiction before using this product for surveillance purposes to ensure that your use of this product conforms.

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, 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.



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.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

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, etc., which makes it suitable for surveillance system and image processing system.

- High performance CMOS sensor and high resolution bring high-quality image;
- Low illumination;
- Support auto white balance, auto gain control, electronic shutter control;
- Unit transmission control;
- Advanced 3-axis design meets different installation requirements;
- Adopt EXIR LED.

1.2 Overview

1.2.1 Overview of Type I Camera

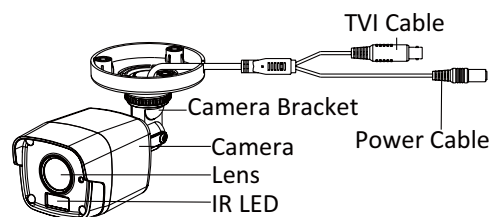


Figure 1-1 Overview of Type I Camera

1.2.2 Overview of Type II Camera

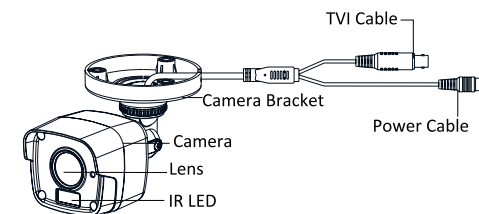


Figure 1-2 Overview of Type II Camera

1.2.3 Overview of Type III Camera

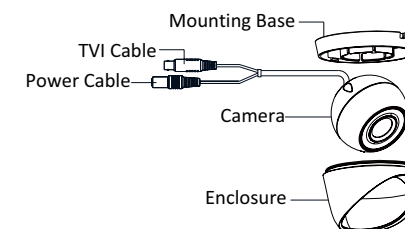


Figure 1-3 Overview of Type III Camera

2 Installation

Before you start:

- Please make sure that the device in the package is in good condition and all the assembly parts are included.
- 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 power output to avoid damage.
- Please make sure the wall is strong enough to withstand three times the weight of the camera and the mounting.
- If the wall is the cement wall, you need to insert expansion screws before you install the camera. If the wall is the wooden wall, you can use self-tapping screw to secure the camera.
- 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.

2.1 Installation of Type I & Type II Camera



- The installation of Type I and Type II cameras are the same, here we take the installation of Type I camera as an example.
- Type I and Type II cameras support wall-mounting, ceiling-mounting, and gang box installation methods.

2.1.1 Ceiling Mounting

Steps:

1. Drill the screw holes in the ceiling according to the supplied drill template, as shown in Figure 2-1.
2. Hammer the supplied expansion screws into the screw holes.

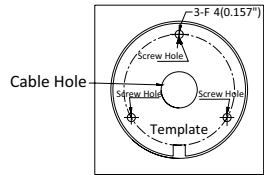


Figure 2-1 The Drill Template

3. Connect the corresponding power cable and video cable.
4. Fix the camera to the ceiling with the supplied fixing screws.

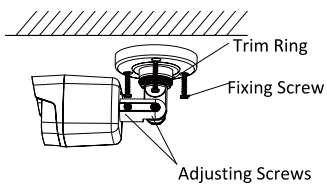


Figure 2-2 Fix the Camera to the Ceiling

5. Adjust the surveillance angle by loosening the 3 adjusting screws.
6. Tighten the fixing screws and the fixing ring to fix the camera.

2.1.2 Wall Mounting

Steps:

1. Drill the screw holes in the wall according to the supplied drill template, as shown in Figure 2-1.
2. Hammer the supplied expansion screws into the screw holes.
3. Connect the corresponding power cable and video cable.
4. Fix the camera to the wall with the supplied screws.

5. Adjust the surveillance angle by loosening the 3 adjusting screws.
6. Tighten the fixing screws and the fixing ring to fix the camera.

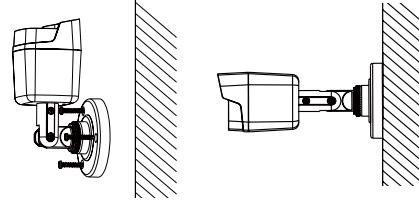


Figure 2-3 Fix the Camera to the Wall

2.1.3 Installation with Gang Box

Steps:

1. Attach the supplied drill template to the ceiling/wall according, as shown in Figure 2-4.

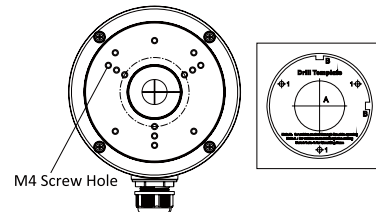


Figure 2-4 Drill Template with Gang Box

2. Take apart the gang box and fix the camera to the cover of the gang box with the supplied 3 PM4 screws.

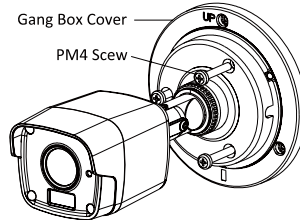


Figure 2-5 Fix the Camera with Gang Box Cover

3. Drill the screw holes in the ceiling/wall according to the supplied drill template.
4. Hammer the supplied 3 expansion screws into the screw holes.

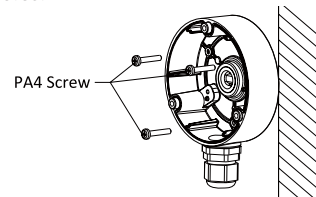


Figure 2-6 Fix the Gang Box to the Wall/Ceiling

5. Connect the corresponding power cable and video cable.
6. Fix the camera to the ceiling with the supplied fixing screws.

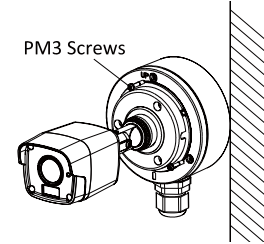


Figure 2-7 Fix the Camera to Gang Box

7. Loosen the screws and trim ring to adjust the surveillance angle.
8. Fix the camera by tightening the screws and trim ring.

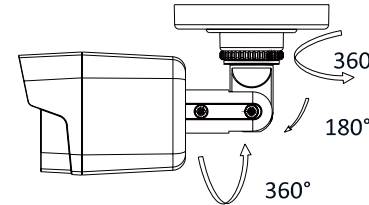


Figure 2-8 Adjust the Surveillance Angle

2.2 Installation of Type III Camera

2.2.1 Ceiling Mounting

Steps:

1. Drill the screw holes in the ceiling according to the supplied drill template, as shown in Figure 2-9.
2. Hammer the supplied expansion screws into the screw holes.

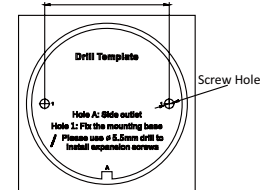


Figure 2-9 The Drill Template

3. Fix the mounting base to the ceiling with 2 PA4 screws, as shown in Figure 2-10.

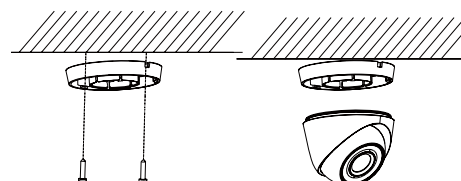


Figure 2-10 Fix the Mounting Base to the Ceiling

4. Connect the corresponding power cable and video cable.
5. Secure the camera to the mounting base.
6. Adjust the camera according to the figure below to get an optimum angle.

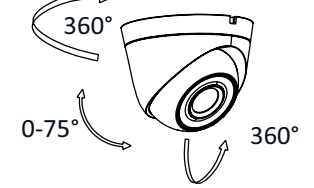
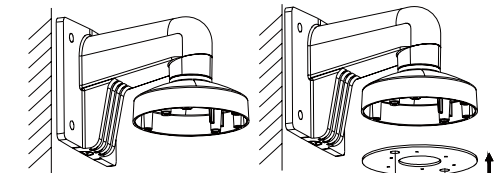


Figure 2-11 3-axis Adjustment

2.2.2 Wall Mounting

Steps:

1. Install the wall mounting bracket onto the wall, as shown in Figure 2-12.
2. Fix the bracket plate onto the bracket with the supplied screws, as shown in Figure 2-12.



Bracket Plate

Figure 2-12 Install the Bracket and Mounting Base

3. Install the mounting base onto the bracket plate with 2 M4 screws, as shown in Figure 2-13.

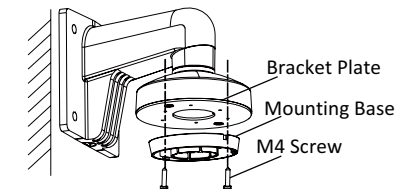


Figure 2-13 Install Mounting Base

4. Connect the corresponding power cable and video cable.
5. Secure the camera to the mounting base.
6. Adjust the camera according to Figure 2-11 to get an optimum angle.

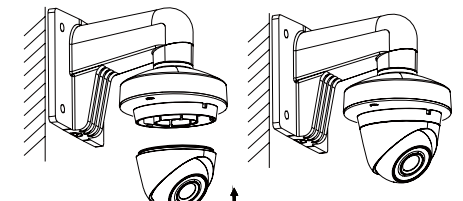


Figure 2-10 Fix the Camera with the Bracket