



HIKVISION DS-2CE76D0T-LPFS Smart Hybrid Light Bullet Turret Camera User Manual

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Smart Hybrid Light
Bullet & Turret
Camera
User Manual

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DS-2CE76D0T-LPFS Smart Hybrid Light Bullet Turret Camera

User Manual

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

This manual applies to the models below:

Type	Model
Type I Camera	DS-2CE16K0T-LFS
	DS-2CE16K0T-LPFS
	DS-2CE16D0T-LFS
	DS-2CE16D0T-LPFS
Type II Camera	DS-2CE17K0T-LFS
	DS-2CE17D0T-LFS
Type III Camera	DS-2CE76K0T-LMFS
	DS-2CE76D0T-LMFS
Type IV Camera	DS-2CE76K0T-LPFS
	DS-2CE76D0T-LPFS
Type V Camera	DS-2CE78K0T-LFS
	DS-2CE78D0T-LFS

This manual may contain several technical mistakes 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.
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Initiatives on the Use of Video Products

Thank you for choosing Hikvision products.

Technology affects every aspect of our life. As a high-tech company, we are increasingly aware of the role technology plays in improving business efficiency and quality of life, but at the same time, the potential harm of its improper usage. For example, video

products are capable of recording real, complete and clear images. This provides a high value in retrospect and preserving real-time facts. However, it may also result in the infringement of a third party's legitimate rights and interests if improper distribution, use and/or processing of video data takes place. With the philosophy of "Technology for the Good", Hikvision requests that every end user of video technology and video products shall comply with all the applicable laws and regulations, as well as ethical customs, aiming to jointly create a better community.

Please read the following initiatives carefully:

1. Everyone has a reasonable expectation of privacy, and the installation of video products should not be in conflict with this reasonable expectation.
Therefore, a warning notice shall be given in a reasonable and effective manner and clarify the monitoring range, when installing video products in public areas. For non-public areas, a third party's rights and interests shall be evaluated when installing video products, including but not limited to, installing video products only after obtaining the consent of the stakeholders, and not installing highly-invisible video products.
2. The purpose of video products is to record real activities within a specific time and space and under specific conditions. Therefore, every user shall first reasonably define his/her own rights in such specific scope, in order to avoid infringing on a third party's portraits, privacy or other legitimate rights.
3. During the use of video products, video image data derived from real scenes will continue to be generated, including a large amount of biological data (such as facial images), and the data could be further applied or

reprocessed. Video products themselves could not distinguish good from bad regarding how to use the data based solely on the images captured by the video products. The result of data usage depends on the method and purpose of use of the data controllers. Therefore, data controllers shall not only comply with all the applicable laws and regulations and other normative requirements, but also respect international norms, social morality, good morals, common practices and other non-mandatory requirements, and respect individual privacy, portrait and other rights and interests.

4. The rights, values and other demands of various stakeholders should always be considered when processing video data that is continuously generated by video products. In this regard, product security and data security are extremely crucial. Therefore, every end user and data controller, shall undertake all reasonable and necessary measures to ensure data security and avoid data leakage, improper disclosure and improper use, including but not limited to, setting up access control, selecting a suitable network environment (the Internet or Intranet) where video products are connected, establishing and constantly optimizing network security.

Video products have made great contributions to the improvement of social security around the world, and we believe that these products will also play an active role in more aspects of social life. Any abuse of video products in violation of human rights or leading to criminal activities are contrary to the original intent of technological innovation and product development.

Therefore, each user shall establish an evaluation and tracking mechanism of their product application to ensure that every product is used in a proper and reasonable manner and with good faith.


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About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (<https://www.hikvision.com/>).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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Other trademarks and logos mentioned are the properties of their respective owners.

Disclaimer

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS MANUAL AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION,

OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS.

YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class 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 2014/35/EU, the EMC Directive 2014/30/EU, 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.

Warning


This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss. The precaution measure is 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



Warnings

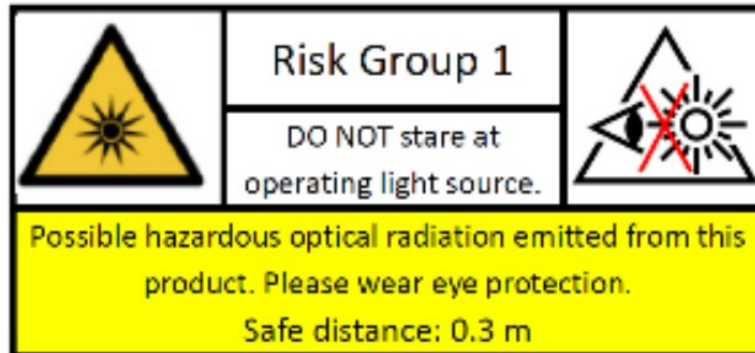
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 12 VDC according to the IEC60950-1 and IEC62368-1 standard. Refer to technical specifications for detailed information.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- An all-pole mains switch shall be incorporated in the electrical installation of the building.
- Do not connect multiple devices to one power adapter to avoid over-heating or a fire hazard caused by overload.
- Make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cord, and then contact the service center.
- Never attempt to disassemble the camera by unprofessional personal.



Cautions

- No naked flame sources, such as lighted candles, should be placed on the equipment.
- Install the equipment according to the instructions in this manual.
- To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers.
- Do not place the camera in extremely hot, cold (the operating temperature shall be -40°C to 60°C), dusty or damp locations, and do not expose it to high electromagnetic radiation.
- If cleaning is necessary, use clean cloth with a bit of ethanol and wipe it gently.
- Do not aim the camera at the sun or extra bright places.
- The sensor may be burned out by a laser beam, so when any laser equipment is in using, make sure that the surface of sensor will not be exposed to the laser beam.
- Do not expose the device to high electromagnetic radiation or extremely hot, cold, dusty or damp environment.
- To avoid heat accumulation, good ventilation is required for the operating environment.
- Keep the camera away from liquid while in use for non-water-proof device.
- While in delivery, the camera shall be packed in its original packing, or packing of the same texture.

- The beam of the light at the distance of 200 mm is classified as Risk Group 1 (RG1). Possible hazardous optical radiation emitted from this product.
- DO NOT stare at operating light source. May be harmful to the eyes.
- Wear appropriate eye protection or turn on the supplement light only at a safe distance (0.3 m) or in the area that is not directly exposed to the light when installing or maintaining the device.



Introduction

1.1 Product Features

The main features are as follows:

- High performance CMOS sensor
- OSD menu with configurable parameters
- Smart light
- 3-axis adjustment
- Hybrid supplement light with IR and white light

1.2 Overview

1.2.1 Overview of Type I Camera

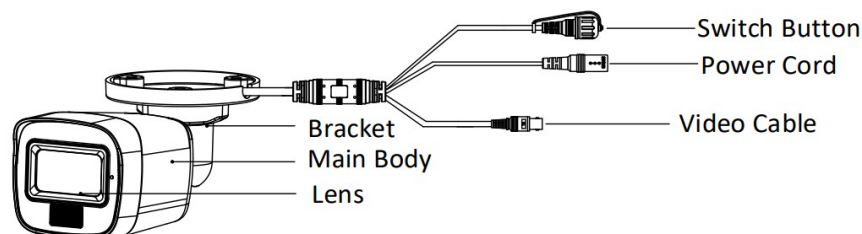


Figure 1-1 Overview of Type I Camera

Note:

Press and hold the switch button for 5 seconds to switch the video output. Four kinds of video outputs are available: TVI, AHD, CVI, and CVBS.

1.2.2 Overview of Type II Camera

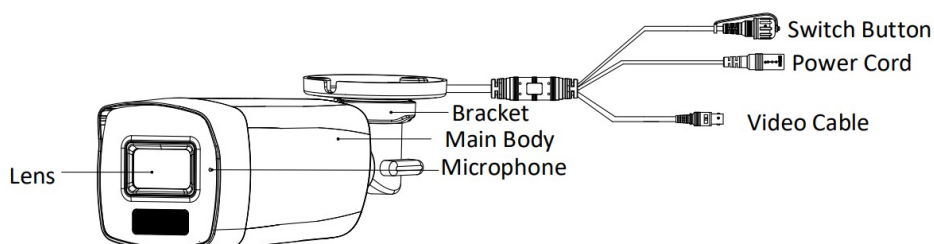


Figure 1-2 Overview of Type II Camera

Note:

Press and hold the switch button for 5 seconds to switch the video output. Four kinds of video outputs are available: TVI, AHD, CVI, and CVBS.

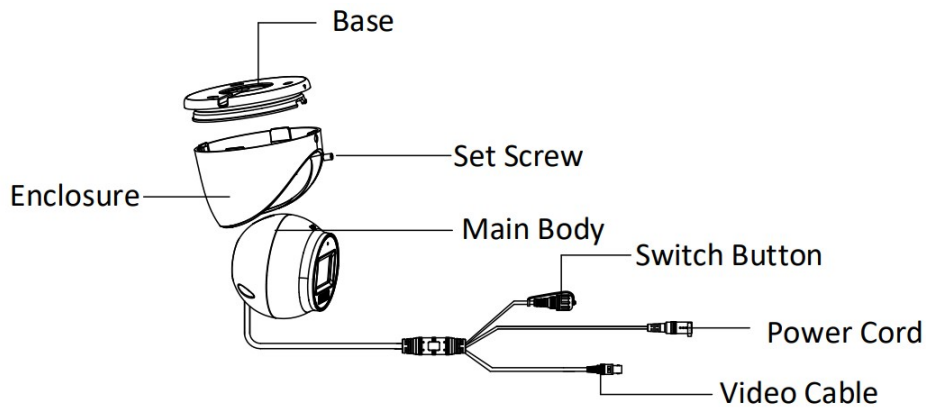
1.2.3 Overview of Type III Camera

Figure 1-3 Overview of Type III Camera

Note:

Press and hold the switch button for 5 seconds to switch the video output. Four kinds of video outputs are available: TVI, AHD, CVI, and CVBS.

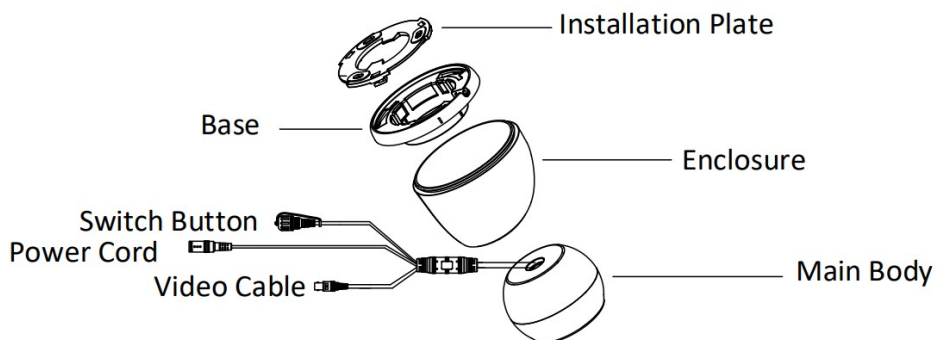
1.2.4 Overview of Type IV Camera

Figure 1-4 Overview of Type IV Camera

Note:

Press and hold the switch button for 5 seconds to switch the video output. Four kinds of video outputs are available: TVI, AHD, CVI, and CVBS.

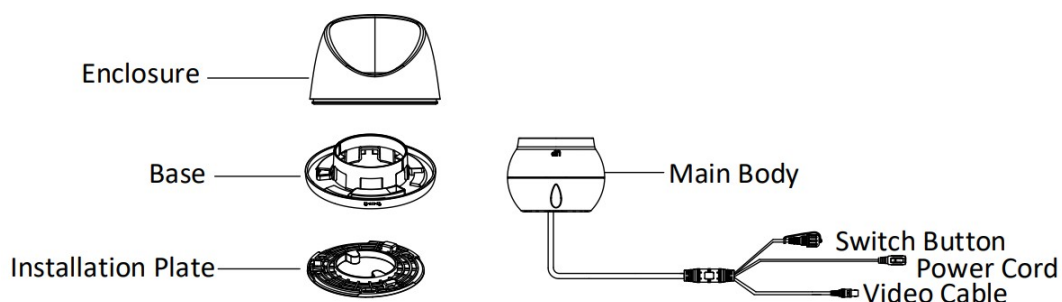
1.2.5 Overview of Type V Camera

Figure 1-5 Overview of Type V Camera

Note:

Press and hold the switch button for 5 seconds to switch the video output. Four kinds of video outputs are available: TVI, AHD, CVI, and CVBS.

Installation

Before you start

- 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.
- Make sure the wall is strong enough to withstand three times the weight of the camera and the mount.
- If the product does not function properly, 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 & II Camera

2.1.1 Ceiling/Wall Mounting without Junction Box Steps:

1. Paste the drill template (supplied) to the installation location.
2. (Optional) For cement ceiling, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.
3. (Optional) Drill the cable hole, when the cables are routed through the ceiling.
4. Secure the camera to ceiling with three PA4 × 25 screws (supplied).

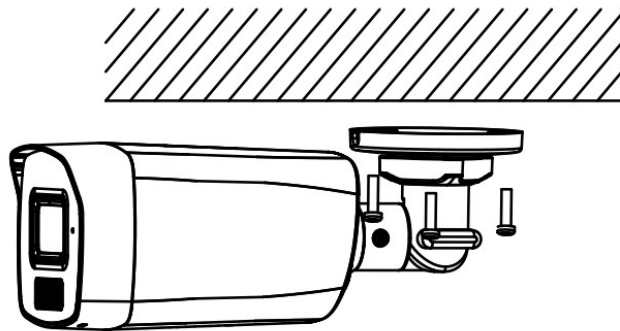


Figure 2-1 Secure the Camera to the Ceiling

5. Connect the cables.
6. Power on the camera to adjust the view angle according to the figure below.

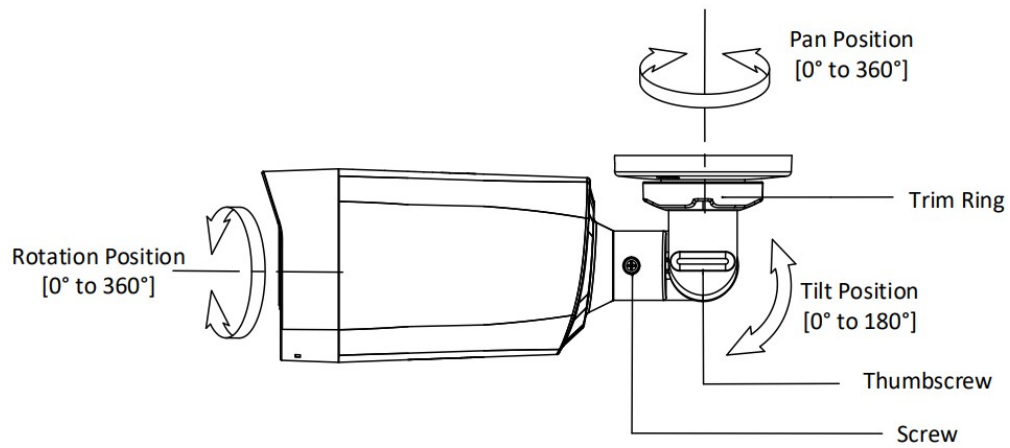


Figure 2-2 3-Axis Adjustment

2.1.2 Ceiling/Wall Mounting with Junction Box

Before you start:

- You need to purchase a junction box in advance.
 - Ceiling mounting and wall mounting are similar.
- Following steps take wall mounting as an example.

Steps:

1. Paste the drill template for junction box to the installation location.
2. (Optional) For cement wall, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.
3. (Optional) Drill the cable hole, when the cables are routed through the wall.
4. Take apart the junction box.
5. Fix the camera to the junction box cover with three PM4 × 10 screws.

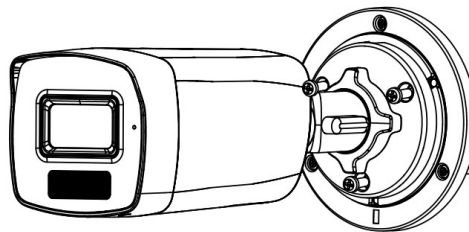


Figure 2-3 Fix the Camera to the Junction Box Cover

6. Secure the junction box body on the wall with three PA4 × 25 screws (supplied).

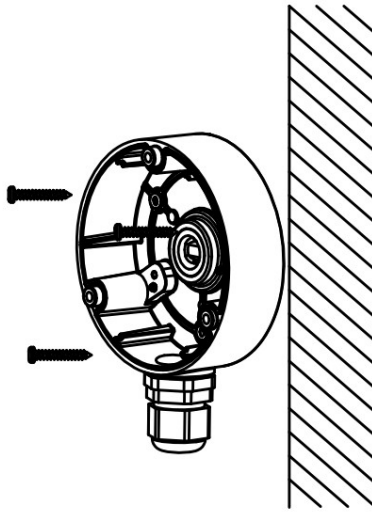


Figure 2-4 Secure the Junction Box on the Wall

7. Route the cables through the bottom cable hole or side cable hole of the junction box and connect the cables.
8. Fix the junction box cover on its body with three PM3 × 16 L6 screws.

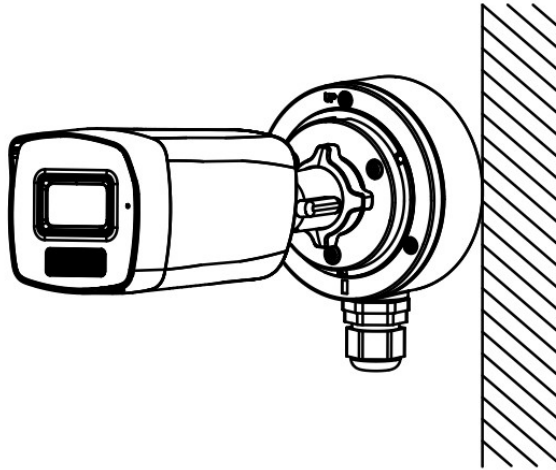


Figure 2-5 Fix the Cover to Its Body

9. Refer to Step 6 of 2.1.1 Ceiling/Wall Mounting without Junction Box to finish installation.

2.2 Installation of Type III Camera

2.2.1 Ceiling Mounting Without Junction Box Steps:

1. Loosen the set screw.
2. Rotate the camera to align the triangle mark with the screw hole, and disassemble the camera.

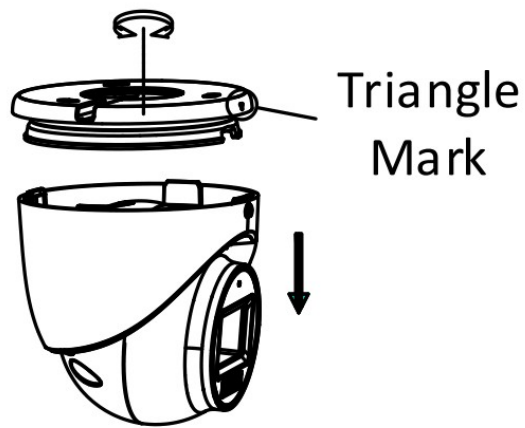


Figure 2-6 Disassemble the Camera

3. Paste the drill template (supplied) to the place where you want to install the camera.
4. (Optional) For cement ceiling, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.
5. Use three PA4 × 25 screws (supplied) to secure the base to the ceiling.

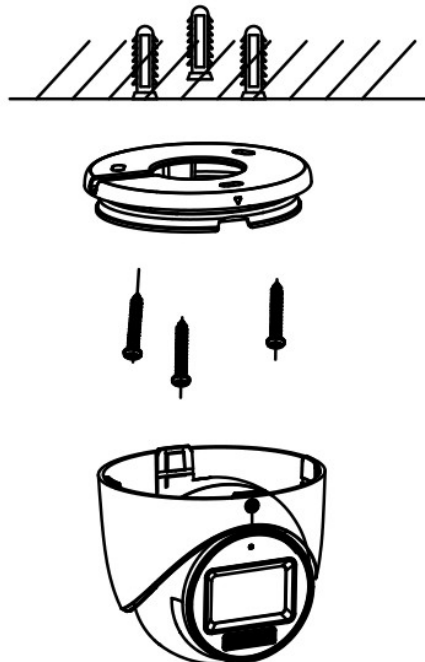


Figure 2-7 Secure the Base to the Ceiling

6. Align the screw hole with the triangle mark to install the camera back to the base and secure it.

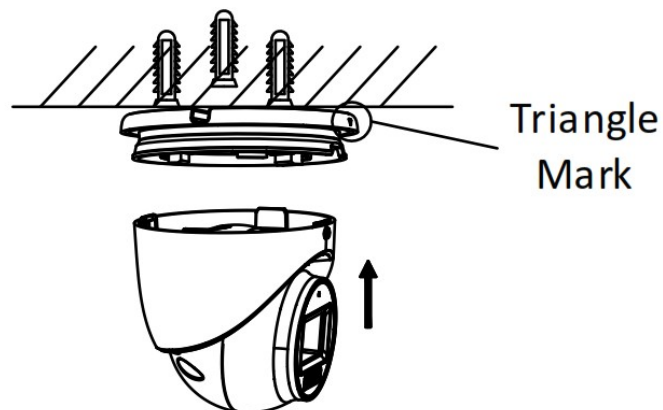


Figure 2-8 Install the Camera Back

7. Connect the cables.
8. Power on the camera to check whether the image on the monitor is gotten from the optimum angle. If not, adjust the camera according to the figure below.

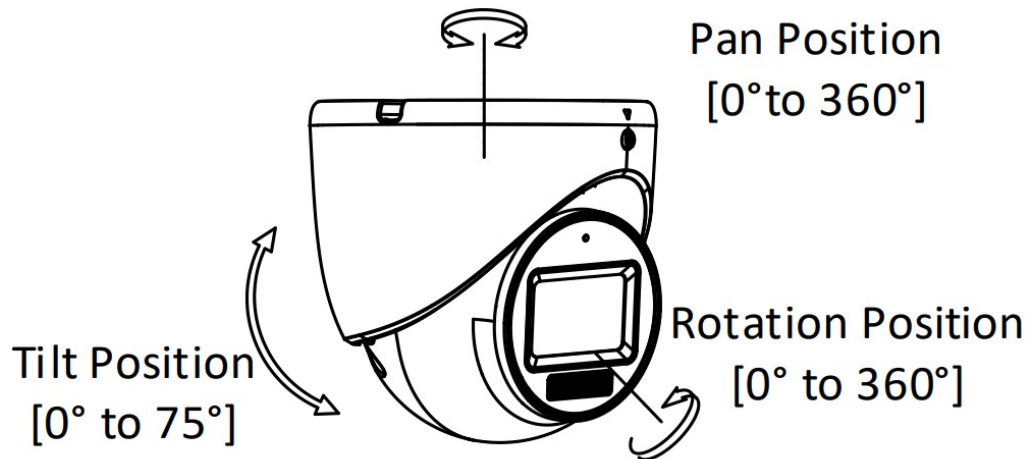


Figure 2-9 3-Axis Adjustment

- 1). Rotate the enclosure to adjust the pan position [0° to 360°].
- 2). Move the main body up and down to adjust the tilt position [0° to 75°].
- 3). Rotate the main body to adjust the rotation position [0° to 360°].
9. Tighten the set screw to finish the installation.

2.2.2 Ceiling Mounting with Junction Box

Before you start:

You need to purchase a junction box in advance. Steps:

1. Loosen screws to take apart the junction box.
2. Paste the drill template for junction box to the place where you want to install the camera.
3. (Optional) For cement ceiling, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.
4. (Optional) Drill the cable hole, when the cables are routed through the ceiling.
5. Secure the junction box body on the ceiling with three PA4 × 25 screws that come with the junction box.

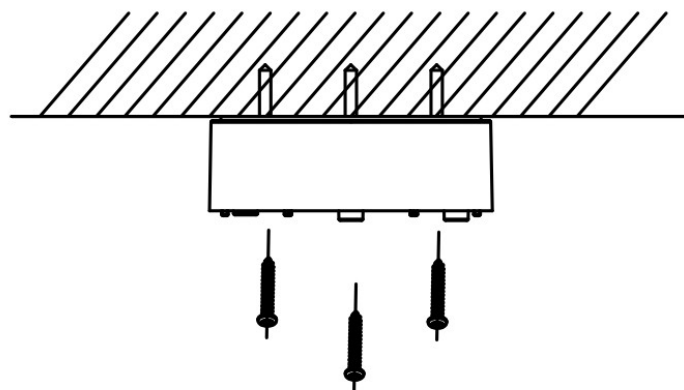


Figure 2-10 Secure the Junction Box Body

6. Route the cables through the bottom cable hole or the side cable hole of the junction box.
7. Combine the junction box cover with its body and secure it with three PM3 × 13 screws.

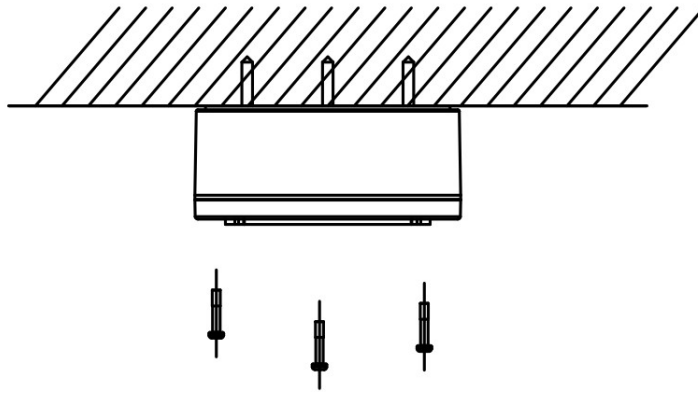


Figure 2-11 Combine the Junction Box Cover and Body

8. Fix the base onto the junction box cover with three M4 × 10 screws.

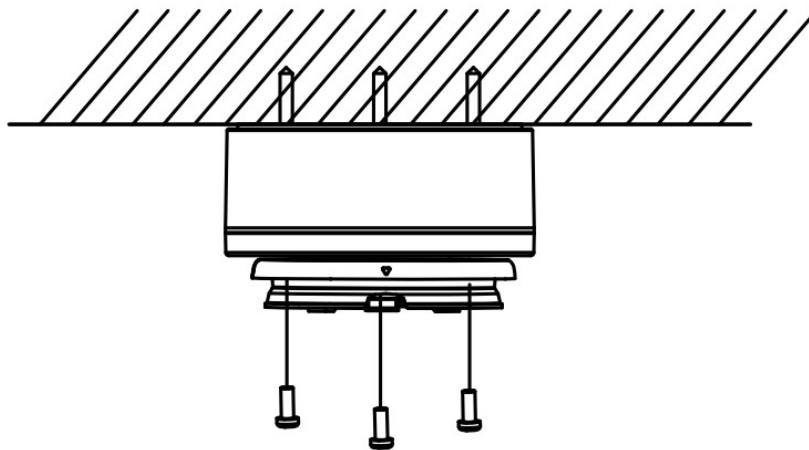


Figure 2-12 Fix the Base

9. Connect the power cord and video cable and put the cables back into the junction box.

10. Repeat the steps 6, 8, and 9 of 2.2.1 Ceiling Mounting Without Junction Box to finish the installation.

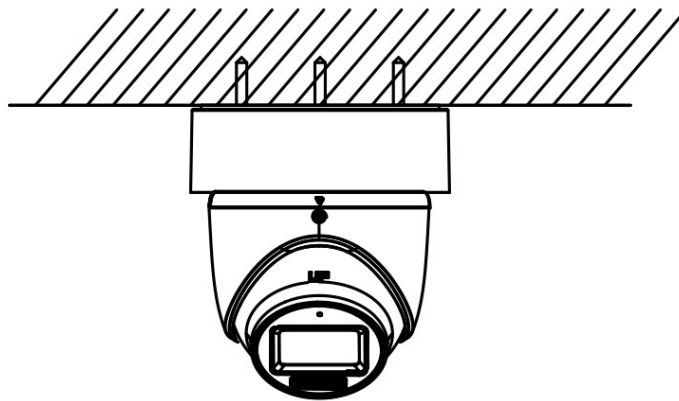


Figure 2-13 Finish the Installation

2.2.3 Wall Mounting

Before you start:

You need to purchase a wall mount in advance. Steps:

1. Drill Φ 10 mm screw holes in the wall where you want to install the wall mount.
2. Use four M6 expansion bolts to fix the wall mount onto the wall.

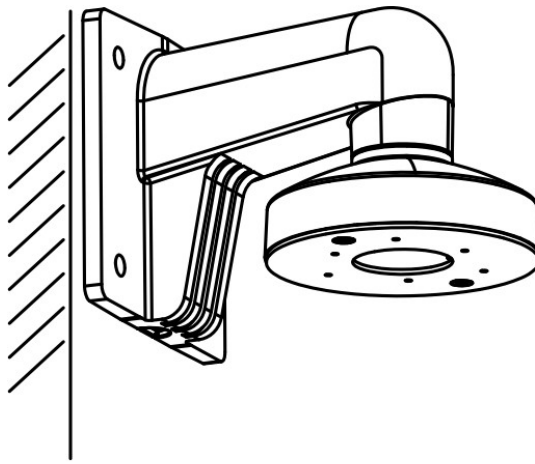


Figure 2-14 Fix the Wall Mount

3. Loosen the set screw.
4. Rotate the camera to align the triangle mark with the screw hole, and disassemble the camera.

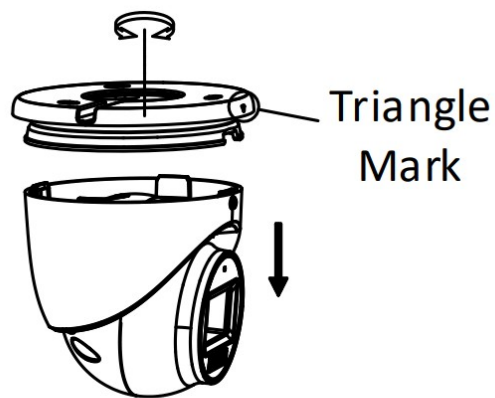


Figure 2-15 Disassemble the Camera

5. Use M4 × 10 screws to fix the base onto the wall mount.

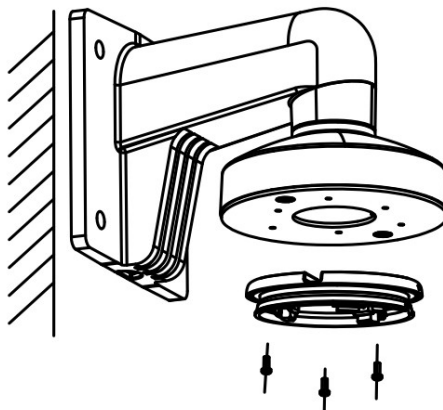


Figure 2-16 Fix the Base onto the Wall Mount

6. Repeat steps 6 to 9 of 2.2.1 Ceiling Mounting Without Junction Box to finish the installation.

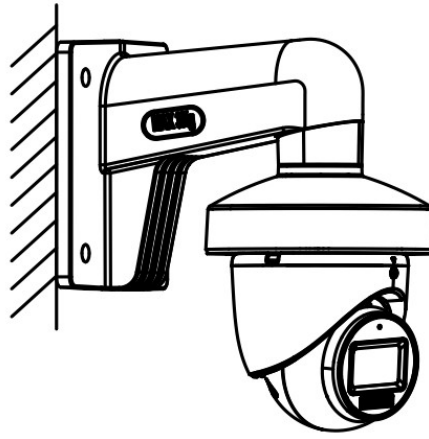


Figure 2-17 Finish the Installation

2.3 Installation of Type IV & V Camera

2.3.1 Ceiling Mounting without Junction Box Steps:

1. Paste the drill template (supplied) to the installation location.
2. (Optional) For cement ceiling, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.
3. Install the camera to ceiling.
 - i. Secure the installation plate to the ceiling with three PA4 × 25 screws (supplied).
 - ii. Fit the camera onto the installation plate.
 - iii. Turn the camera as the figure below until it snaps into the installation plate.

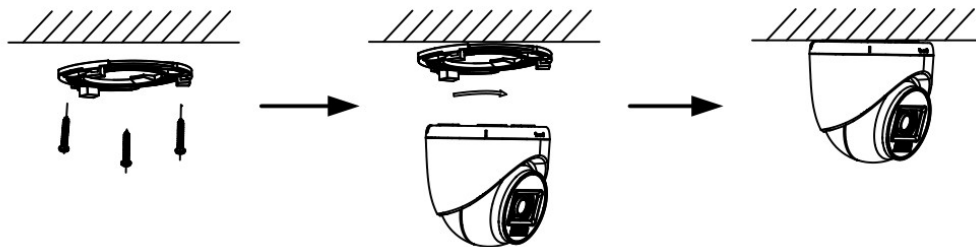


Figure 2-18 Install the Camera to Ceiling

4. Connect the cables.
5. Power on the camera to adjust the view angle according to the figure below.

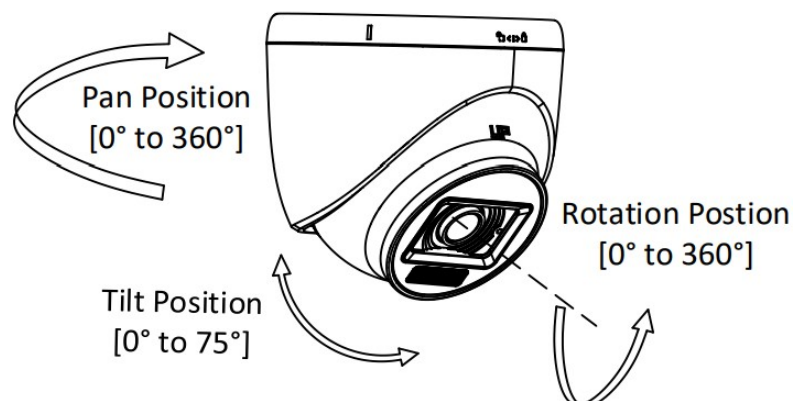


Figure 2-19 3-Axis Adjustment

- 1). Rotate the enclosure to adjust the pan position [0° to 360°].
- 2). Move the main body up and down to adjust the tilt position [0° to 75°].
- 3). Rotate the main body to adjust the rotation position [0° to 360°].

2.3.2 Ceiling Mounting with Junction Box

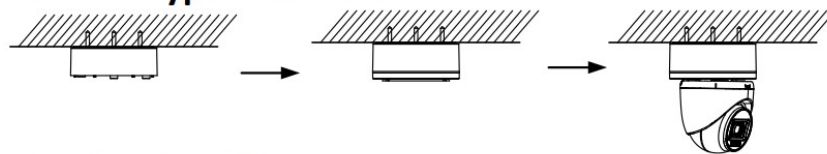
Before you start:

- You need to purchase a junction box in advance.
 - Ceiling mounting with a junction box is similar to ceiling mounting with an inclined ceiling mount.
- Following steps take a junction box as an example.

Steps:

1. Loosen screws to take apart the junction box.
2. Paste the drill template for junction box to the installation location.
3. (Optional) For cement ceiling, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.
4. (Optional) Drill the cable hole, when the cables are routed through the ceiling.
5. Secure the junction box body on the ceiling with three or four PA4 × 25 screws according to the actual object.
6. Fix the camera to the junction box.

● For Type IV camera:



● For Type V camera:

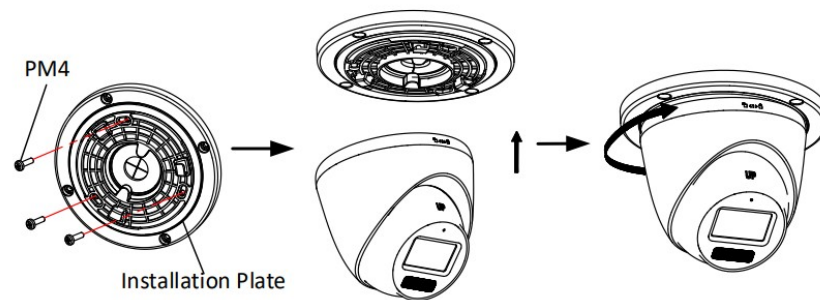


Figure 2-20 Fix the Camera to the Junction Box Cover

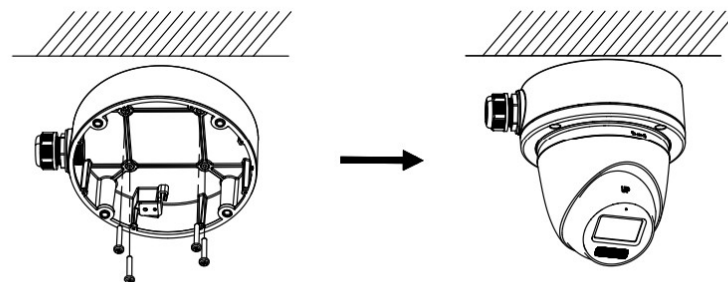


Figure 2-21 Fix the Junction Box Cover and Junction Box Body

7. Route the cables through the bottom cable hole or the side cable hole of the junction box.
8. Refer to step 5 of 2.3.1 Ceiling Mounting without Junction Box to adjust the angle and finish the installation.

2.3.3 Wall Mounting

Before you start:

You need to purchase a wall mount in advance. Steps:

1. Drill Φ 10 mm screw holes in the wall where you want to install the wall mount.
2. Use four M6 expansion bolts to fix the wall mount onto the wall.

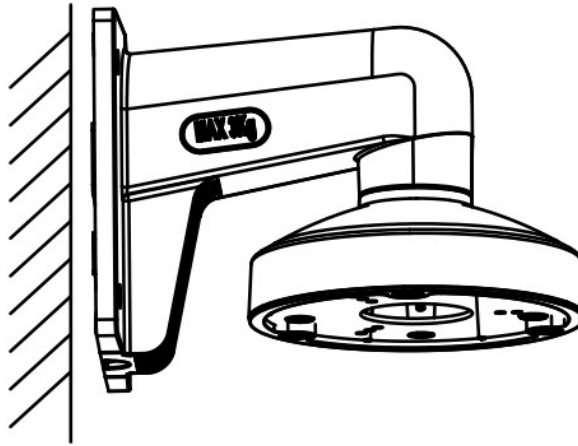


Figure 2-22 Fix the Wall Mount

3. Use three PM4 screws to fix the installation plate onto the wall mount.

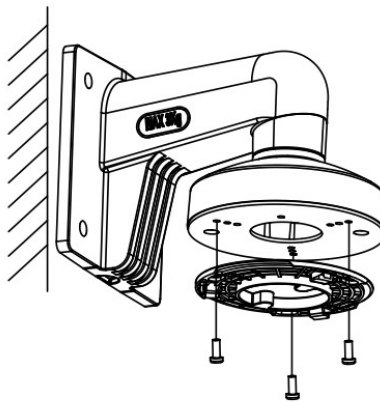


Figure 2-23 Fix the Installation Plate

4. Refer to steps 3 to 5 of Section 2.3.1 Ceiling Mounting without Junction Box to finish installation.

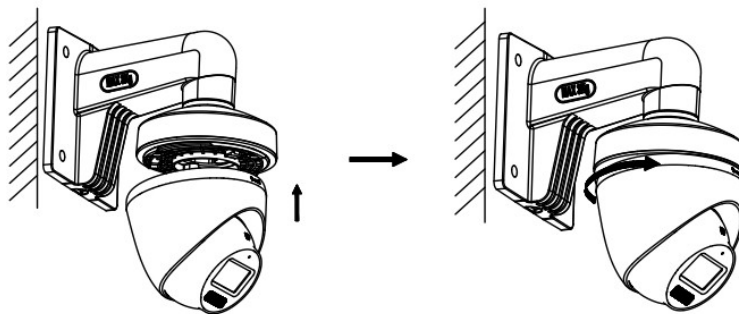


Figure 2-24 Finish Installation

Menu Description

Please follow the steps below to call the menu.

Note:

The actual display may vary with your camera model.

Steps:

1. Connect the camera with the TVI DVR and the monitor, as shown in figure 3-1.

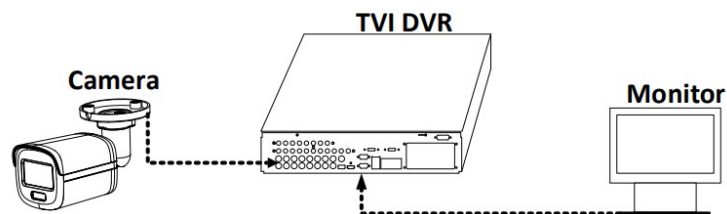

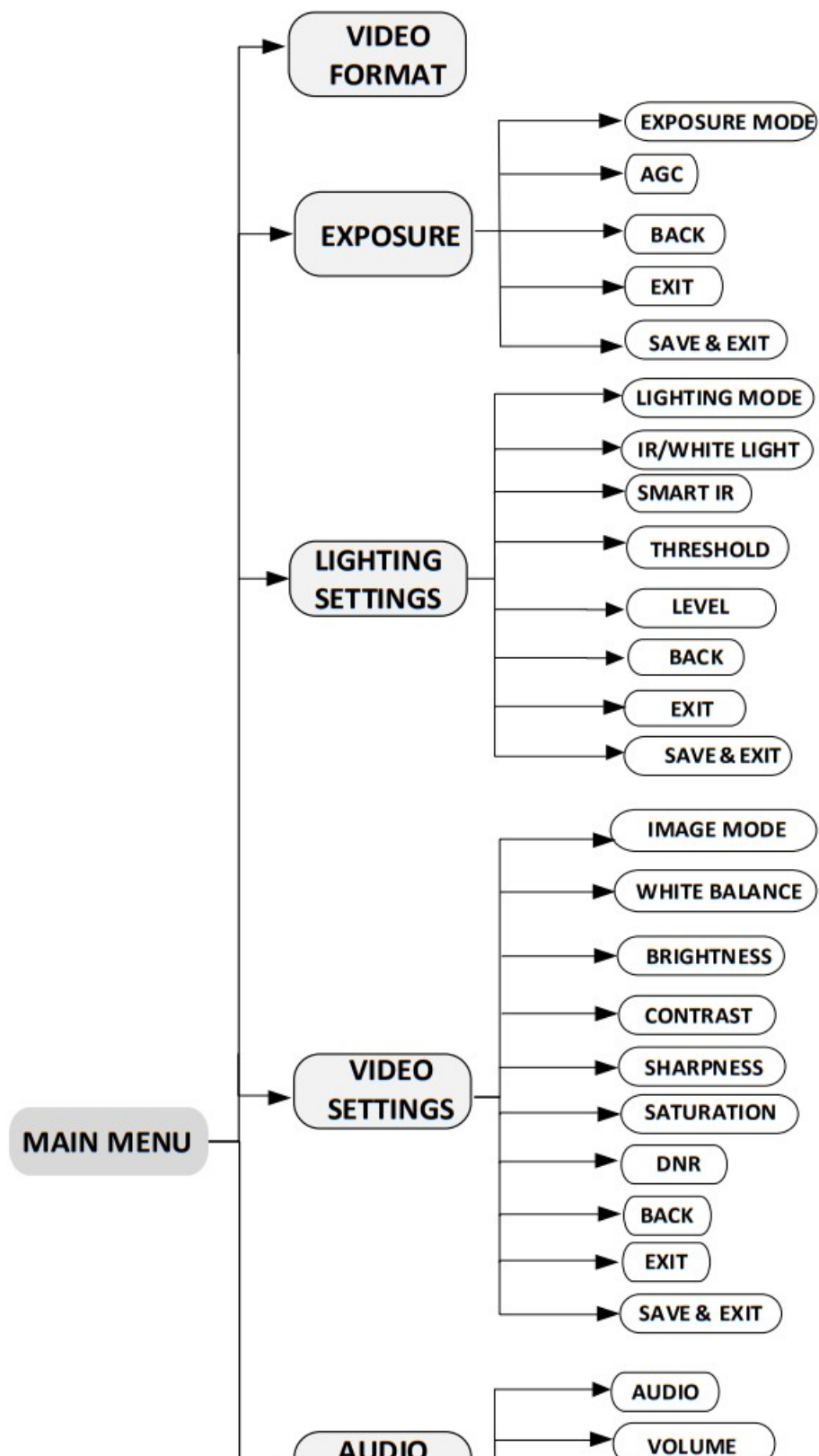


Figure 3-1 Connection

2. Power on the camera, TVI DVR, and monitor to view the image on the monitor.
3. Click PTZ Control to enter the PTZ Control interface.
4. Call the camera menu by clicking  button or calling preset No. 95.



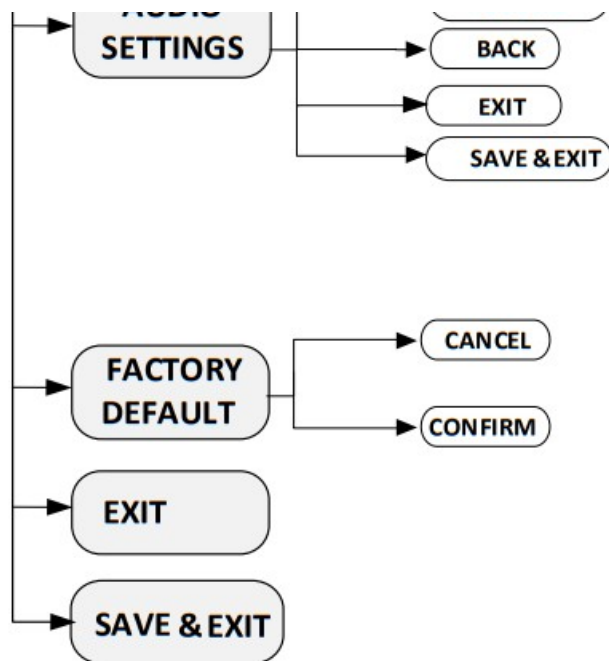


Figure 3-2 Main Menu Overview

5. Click the direction buttons to control the camera.

- 1). Click up/down direction buttons to select menu options.
- 2). Click Iris + to confirm the selection.
- 3). Click left/right direction buttons to adjust the value of the selected option.

3.2 VIDEO FORMAT

Video formats are available as below.

Video Output	Video Format	Supported Models
TVI	3K@20fps 4MP@25fps 4MP@30fps	3K models
	2MP@25fps 2MP@30fps	All models
AHD	5MP@20fps 4MP@25fps 4MP@30fps	3K models
	2MP@25fps 2MP@30fps	2MP models
CVI	4MP@25fps 4MP@30fps	3K models
	2MP@25fps 2MP@30fps	2MP models
CVBS	PAL NTSC	All models

3.3 EXPOSURE

EXPOSURE MODE

You can set the EXPOSURE MODE to GLOBAL, BLC, HLC, or DWDR.

- GLOBAL

GLOBAL refers to the normal exposure mode which adjusts lighting distribution, variations, and non-standard processing.

- BLC (Backlight Compensation)

BLC (Backlight Compensation) compensates light to the object in the front to make it clear, but this may cause over-exposure of the background where the light is strong.

- HLC (Highlight Compensation)

HLC stands for highlight compensation. The camera detects strong spots (over-exposure portion of image) and reduces the brightness of strong spots to improve the overall images.

- DWDR (Digital Wide Dynamic Range)

Digital wide dynamic range gives the camera the ability to view dark areas of the given image as well as extremely lighted portions of the image, or areas of high contrast.

AGC (Auto Gain Control)

It optimizes the clarity of the image in poor light conditions. The AGC level can be set to HIGH, MEDIUM, or LOW.

Note:

The noise will be amplified when setting the AGC level.

3.4 LIGHTING SETTINGS LIGHTING MODE

IR and WHITE LIGHT are available.

- IR

- IR LIGHT

You can turn on/off the IR LIGHT to meet the requirements of different circumstances.

- SMART IR

The Smart IR function is used to adjust the light to its most suitable intensity, and prevent the image from over exposure.

- D→ N Threshold (Day to Night Threshold)

Day to Night Threshold is used to control the sensitivity of switching the day mode to the night mode. You can set the value from 1 to 9. The larger the value is, the more sensitive the camera is.

- N→ D Threshold (Night to Day Threshold)

Night to Day Threshold is used to control the sensitivity of switching the night mode to the day mode. You can set the value from 1 to 9. The larger the value is, the more sensitive the camera is.

- WHITE LIGHT

Under the WHITE LIGHT sub-menu, you can set the mode to OFF or AUTO.

- OFF

Set it to OFF to give up this function.

- AUTO

You can set THRESHOLD and LEVEL in this section.

THRESHOLD

The higher the threshold is, the more sensitive the device is to dark environment.

LEVEL

You can adjust the maximum brightness of supplement light.

3.5 VIDEO SETTINGS

Move the cursor to VIDEO SETTINGS and click Iris+ to enter the submenu. IMAGE MODE, WHITE BALANCE, BRIGHTNESS, CONTRAST, SHARPNESS, SATURATION, and DNR are adjustable.

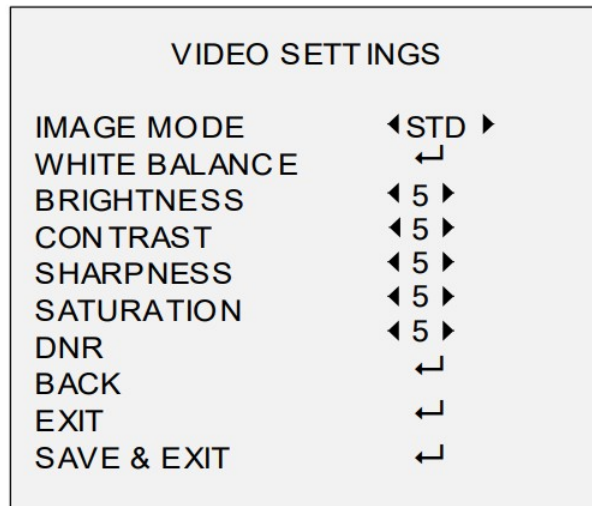


Figure 3-3 VIDEO SETTINGS

IMAGE MODE

IMAGE MODE is used to adjust the image saturation, and you can set it to STD (Standard), HIGH-SAT (High Saturation), or HIGHLIGHT (better indoor facial details).

WHITE BALANCE

White balance, the white rendition function of the camera, is to adjust the color temperature according to the environment. It can remove unrealistic color casts in the image. You can set WHITE BALANCE mode to AUTO or MANUAL.

- MANUAL

You can set the R-GAIN/B-GAIN value to adjust the shades of red/blue color of the image.

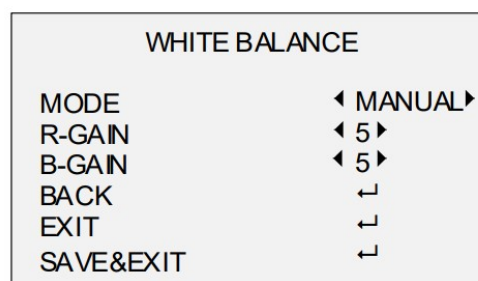


Figure 3-4 WHITE BALANCE

BRIGHTNESS

Brightness refers to the brightness of the image. You can set the brightness value from 1 to 9 to darken or brighten the image. The greater the value is, the brighter the image is.

CONTRAST

This feature enhances the difference in color and light between parts of an image.

Sharpness determines the amount of detail an imaging system can reproduce.

Saturation is the proportion of pure chromatic color in the total color sensation. Adjust this feature to change the saturation of the color.


DNR refers to digital noise reduction. This function reduces noise in video stream.

Under the AUTO SETTINGS sub-menu, you can set the mode to ON or OFF. Adjust the VOLUME to a higher value to raise the volume.

Reset all the settings except video format to factory defaults.

Move the cursor to EXIT and click Iris+ to exit the menu.

Move the cursor to **SAVE & EXIT** and click **Iris+** to save the settings and exit the menu.

<div data-bbox="137 1243 288 1263">  </div> <div data-bbox="137 1294 274 1335"> <p>Smart Hybrid Light Bullet & Turret Camera</p> <p>Camera</p> <p>User Manual</p> </div> <div data-bbox="137 1386 274 1417"> <p><small>User Manual</small></p> <p><small>Before you start purchasing our product, if there are any questions, or requests, or needs, do not hesitate to contact the dealer.</small></p> <p><small>You must apply to the model list below.</small></p> <table border="1"> <thead> <tr> <th>Type</th> <th>Model</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Type I Camera</td> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td rowspan="3">Type II Camera</td> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td rowspan="3">Type III Camera</td> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td rowspan="3">Type IV Camera</td> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td rowspan="3">Type V Camera</td> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> <tr> <td>DS-2CE76D0T-LPFS</td> </tr> </tbody> </table> <p><small>This manual may contain several technical details on printing errors, and the contents is subject to change without notice. The updates will be added to the new version of this manual. You will receive updates or updates. The product is or product used according to the manual.</small></p> <p><small>0000000000000000</small></p> </div>	Type	Model	Type I Camera	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	Type II Camera	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	Type III Camera	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	Type IV Camera	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	Type V Camera	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	DS-2CE76D0T-LPFS	<div data-bbox="316 1279 1461 1310"> <h1>HIKVISION DS-2CE76D0T-LPFS Smart Hybrid Light Bullet Turret Camera [pdf] User Manual</h1> </div> <div data-bbox="316 1350 1461 1556"> <p>DS-2CE76D0T-LPFS, DS-2CE16K0T-LPFS 2.8MM, DS-2CE76K0T-LMFS 2.8MM, DS-2CE76D0T-LPFS 2.8MM, DS-2CE78D0T-LFS 2.8MM, DS-2CE76D0T-LMFS 2.8MM, DS-2CE17K0T-LFS 2.8MM, DS-2CE78K0T-LFS 2.8MM, DS-2CE16D0T-LFS 2.8MM, DS-2CE76D0T-LPFS Smart Hybrid Light Bullet Turret Camera, DS-2CE76D0T-LPFS, Smart Hybrid Light Bullet Turret Camera, Hybrid Light Bullet Turret Camera, Light Bullet Turret Camera, Bullet Turret Camera, Turret Camera, Camera</p> </div>
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	DS-2CE76D0T-LPFS																						
Type V Camera	DS-2CE76D0T-LPFS																						
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- [!\[\]\(14149b728cd7faa3ff3718a4eb478db1_img.jpg\) Hikvision UK & Ireland - Leading the future of AIoT](#)
- [User Manual](#)