HD CAMERA

USER MANUAL

■ Please read this instruction carefully before operating the product and keep it for further reference.
■ All examples and pictures used here are for reference only.
■ The contents of this manual are subject to change without notice.

Warning and Caution

■ If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not be responsible for any problems caused by unauthorized repair or maintenance.)
■ Do not allow water or liquid intrusion into the camera while in use.
■ In the use of the product, you must be strict compliance with the electrical safety regulations of the nation and region. When the product is mounted on wall or ceiling, the device shall be firmly fixed.
■ Make sure the power supply voltage is correct before using the camera.
■ Do not drop the camera or subject it to physical shock.
■ If cleaning is necessary, please use a clean soft cloth with a little neutral detergent to wipe it gently.
■ Do not aim the camera at the sun or extra bright place.
■ The device may be burned out by a laser beam, so when any laser equipment is in use, make sure that the surface of the device will not be exposed to the laser beam.
■ Do not place the camera in extremely hot, cold , dusty or damp locations, and do not expose it to high electromagnetic radiation.
■ To avoid heat accumulation, good ventilation is required for operating environment.

Introduction

This camera series is the latest technology and advanced circuit design, which features high definition and sensitivity, low noise and distortion and support HD video transmission with the common coaxial cable, ensuring the requirement of the HD monitoring in the traditional surveillance system.

● High Resolution

Adopt high performance sensor, providing high definition and clear image.

● High Transmission Performance

Real-time transmission with high speed and long distance.

● DNR

Reduce noise from brightness and color signal.

● OSD

It's easy for user to call the setup menu and configure the menu. The camera settings can be clearly displayed through the main menu.

● White Balance

Adjust the color temperature according to the environment automatically.

● ICR Auto Switch

The filter will filter infrared light during the daytime and change to normal at night to ensure a high sensitivity and clear image.

● AGC

Adjust the gain of amplifier, enabling the camera to output the standard video signal in different lighting condition.

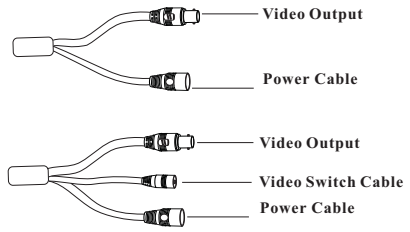
● Wide Dynamic Range (WDR)

When there are both very bright and very dark areas simultaneously in the field of view, this function will balance the brightness level and provide clear images.

● Backlight Compensation (BLC)

When the back of the captured object is too much bright, you can set BLC for the captured object to make it clearer.

Cables



*The cables are only for reference. The default video output will be different for different cameras.
* For the camera with video switch cable, there are two kinds of video switches: button switch and dial switch.
Button Switch: The video outputs will recycle by holding and pressing the button in the video switch cable for 5 seconds.
Dail Switch: Please set the video output according to the directions described on the tag of the video switch cable.

Note: Before switching video outputs, remove the cover of the video switch cable first.
* Some models do not have the video switch cable, please go to OSD to change video outputs.

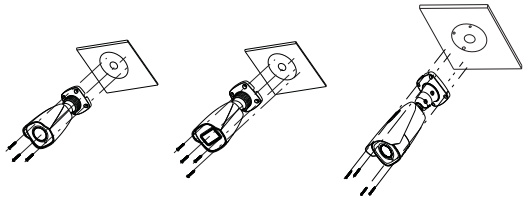
Installation

Before you start, please make sure that the wall or ceiling is strong enough to withstand three times the weight of the camera. Please install the camera in the dry environment.
You'd better install back the cover or lower dome less than 4 hours after removing it.
The mounting types of cameras are only for reference.

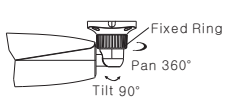
1 Mounting for Bullet Camera

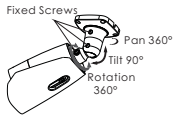
● Type A

1. Attach the drill template to the place where you want to fix the camera and then drill screw holes according to the drill template.
2. Route and connect the cables.
3. Secure the mounting base with the camera to the wall with screws as shown below.

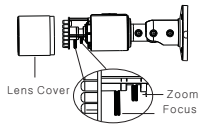


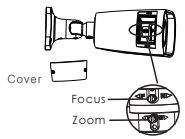
4. Bracket adjustment. Before adjustment, preview the image of the camera on a monitor and then loosen the fixed ring or screws to adjust the view angle of the camera.





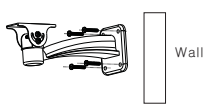
5. Focus and zoom adjustment (If the model you get is fixed lens or motorized lens, please skip this step). Remove the cover and then adjust the focus and zoom levers to get a clear image. Finally, install the cover back.

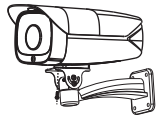




● Type B

For this series of the product, the mounting bracket should be provided by yourself.
1. Secure the mounting base to the wall with screws as shown below.
2. Fix the camera to the mounting bracket with the screws.
3. Loosen the screws of the bracket to adjust the view angle of the camera.
4. Connect corresponding cables to complete the installation.



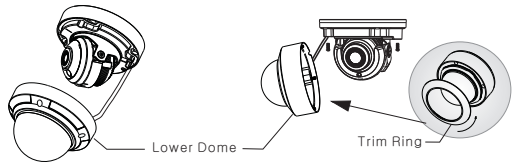


2 Mounting for Dome Camera

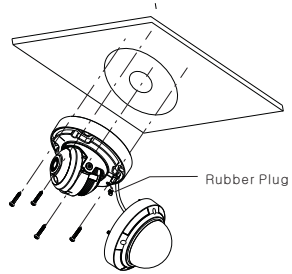
* Please do not remove the protection film until finishing the installation.

● Type A

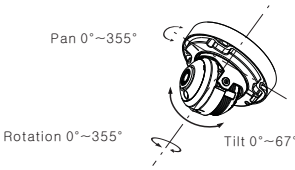
1. Drill the screw holes and the cable hole on the wall according to the drill template.
2. Loosen the screws to remove the lower dome from the camera as shown on the below left (For the camera with the trim ring, you shall rotate the trim ring anticlockwise to remove it first, and then you can remove the lower dome by loosening the screws as shown on the below right).



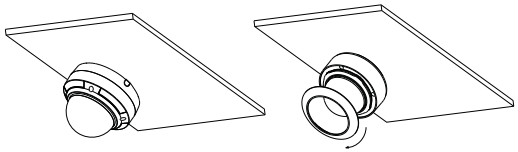
3. Route and connect the cables.
4. Secure the mounting base with camera to the wall with screws as shown below.



5. Three-axis adjustment. Before adjustment, preview the image of the camera on a monitor and then adjust the camera according to the figure below to get an optimum angle.

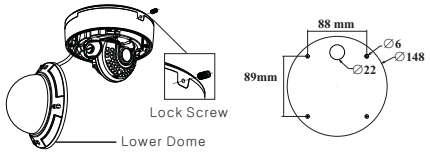


6. Install the lower dome back to the camera and secure it with the screws as shown on the below left (For the camera with the trim ring, after installing back the lower dome, please put the trim ring onto the lower dome and rotate it clockwise until it is locked as shown on the below right). Finally, remove the protection film to finish the installation.

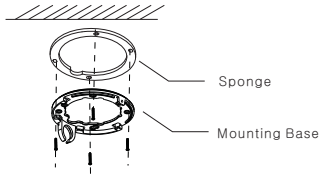


● Type B

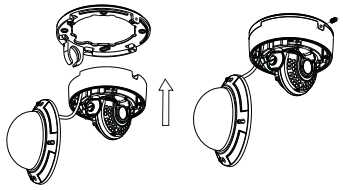
1. Loosen the screws to open the lower dome and then loosen the lock screw to remove the mounting base.
2. Attach the drill template to the place where you want to fix the camera and then drill 4 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template.



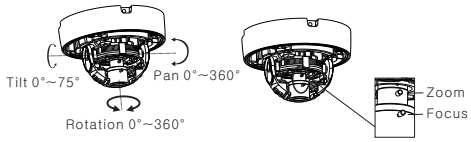
3. Route and connect the cables. And then secure the mounting base to the ceiling or wall with screws.



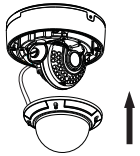
4. Fix the camera to the mounting base with the lock screw.



5. Three-axis adjustment. Before adjustment, preview the image of the camera on a monitor and then adjust the camera according to the figure below to get an optimum angle.
6. Adjust the Focus and Zoom screw to get a clear image (if your camera is fixed lens or motorized lens, please skip this step).

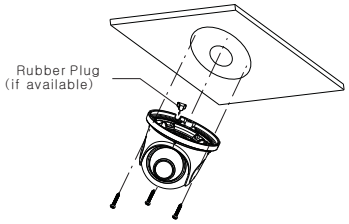


7. Install the lower dome back to the camera with the screws and remove the protection film softly to complete the installation.

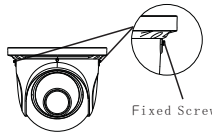


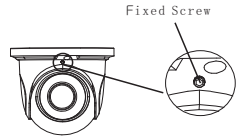
● Type C

1. Attach the drill template to the place where you want to fix the camera and then drill screw holes according to the drill template.
2. Route and connect the cables.
3. Secure the camera to the wall with the screws provided as shown below.



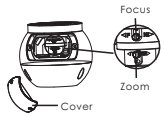
4. Adjust the camera to obtain an optimum angle by loosening the fixed screw. Before adjustment, preview the image of the camera on a monitor. Tighten the fixed screw after you finish adjusting the view angle of the camera.





* For some cameras, the fixed screws are on the both side as shown on the above left. For some cameras, the fixed screw is in the middle of the housing as shown on the above right.
* If your camera has no the above-mentioned fixed screw(s), please directly rotate the dome to adjust the view angle.

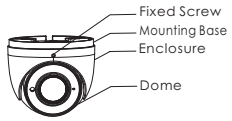
5. Adjust the Focus and Zoom screw to get a clear image (if your camera is fixed lens or motorized lens, please skip this step).



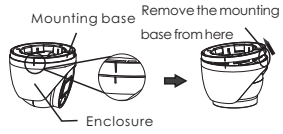
*For some cameras, you shall open the cover of the dome and then adjust the Focus and Zoom lever as shown on the above right. After that, install the cover back.

● Type D

1. Attach the drill template to the place where you want to fix the camera and then drill screw holes according to the drill template.
2. Remove the mounting base of the camera.

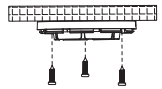


Loosen the fixed screw to disassemble the camera.

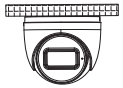


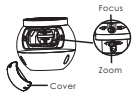
Rotate the mounting base and make sure the marks of mounting base and enclosure are aligned. Then remove the mounting base.

3.Route and connect the cables. Then secure the mounting base to the ceiling or wall with the screws provided.



4. Install the dome and enclosure to the mounting base and then adjust the dome to obtain an optimum view angle.
5. Adjust the Focus and Zoom screw to get a clear image (if your camera is fixed lens or motorized lens, please skip this step).





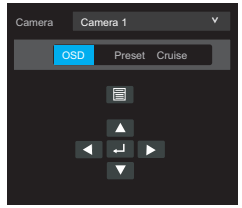
Call up Main Menu

* Some models may not support calling up main menu, please take the final product as the standard.

● Access Main Menu

a. Press Enter key ⊙ of the rear panel or cable of the camera to go to the main menu.
b. Select the preview window and right click the mouse to show the following menu list on the DVR.

Click on the toolbar at the bottom of the live preview window (or right click the mouse to select “PTZ Control”).



Select the “OSD” tab and then click ▤ / ↵ to call up the main menu.

● Menu Operation

You can select the menu by clicking ▲ (U) or ▼ (D) key on the direction area. Click ◀ (L) or ▶ (R) key to select the menu on the left. The menu with arrow icon which means it has sub-menu. Click ▤ / ↵ to go to the sub-menu or confirm the settings.
If there are direction keys and enter key on the cables of the camera, you can also use these direction keys to select menu and the enter key to go to the sub-menu or confirm the settings.

Note: This series of the camera must be connected to the DVR which supports calling up main menu of camera. Different DVRs manufactured by different DVR manufacturers may have different modes of menu operation. Please refer to the relevant User Manual of DVR.

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