



Figure 2-8 Drill Template

2. Install the bracket onto the wall according to the template and fix the screws to secure the bracket.

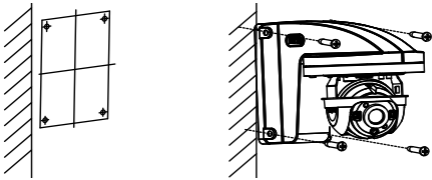


Figure 2-9 Fix the Bracket onto the Wall

3. Repeat steps 1-5 of **2.1.1** to fix the dome camera with the plastic bracket.
4. Secure the camera to the mounting base.

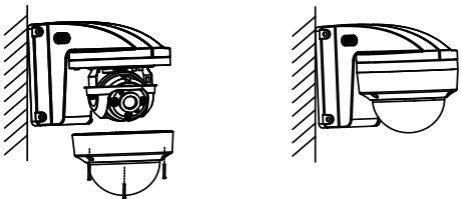


Figure 2-10 Secure the Camera

2.2.2 Wall Mounting with Metallic Bracket

Steps:

1. Attach the drill template (supplied) and then drill the screw holes and the cable hole in the ceiling, as shown in Figure 2-8.
2. Install the bracket onto the wall according to the template and fix the screws to secure the bracket.
3. Fix the pendent cap onto the bracket, as shown in Figure 2-11.

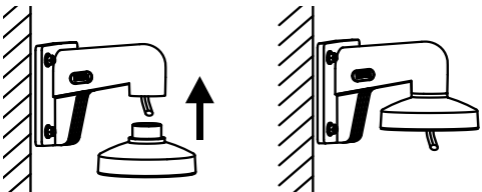


Figure 2-11 Fix the Pendent Cap

4. Repeat steps 1-5 of **2.1.1** to fix the dome camera with the metallic bracket.
5. Secure the camera to the mounting base.

2.2.3 Wall Mounting with Pendent Cap

Steps:

1. Fix the pendent cap bracket on the wall, as shown in Figure 2-12.

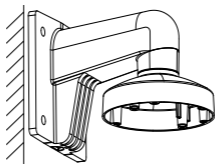


Figure 2-12 Install the Pendent Cap

- Fix the adapter to the pendent cap with two screws. (Optional)

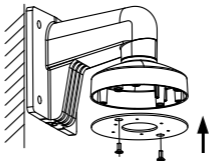


Figure 2-13 Install the Adapter to the Pendent Cap

- Repeat step 1-8 of **2.1.1** to install the camera to the pendent cap.

2.3 Pendent Mounting with Pendent Bracket

Steps:

- Fix the pendent mount bracket in the ceiling and tighten the screws, as shown in Figure 2-14.

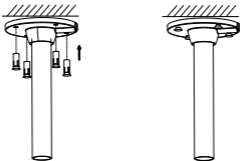


Figure 2-14 Install the Pendent Cap

- Disassemble the dome camera by loosening three screws of the bubble, and take apart the bubble.
- Fix the camera to the junction box by tightening screws

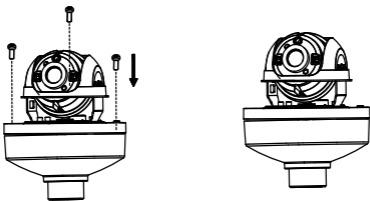


Figure 2-15 Install the Adapter to the Pendent Cap

- Fix the junction box with the bracket by rotating the box, as shown in Figure 2-16.

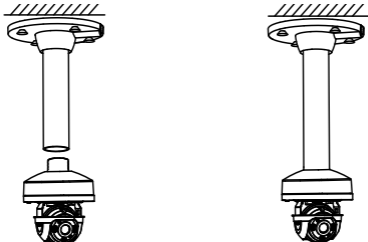


Figure 2-16 Fix the Junction Box with Pendent Bracket

- Repeat steps 3-5 of **2.1.1** to fix the camera with the pendent bracket and adjust the surveillance angle.

3 Menu Description

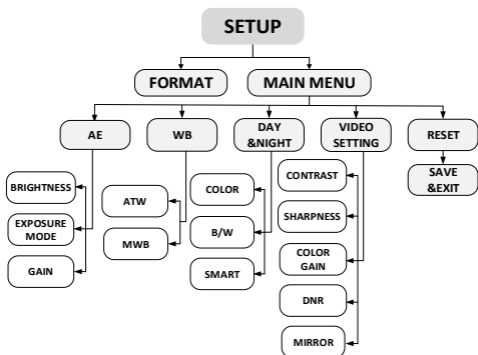


Figure 3-1 Main Menu Overview



- With a camera controller (purchased separately) or calling the preset No. 95 of DVR you can select the menu and adjust the parameters.
- Move the cursor up/down to select the menu item.
- Move the cursor left/right to adjust the value of the selected item.
- Press the **OK** key to confirm a selection.

3.1 Format

Move the cursor to **FORMAT**, and press the menu button to enter the **FORMAT** sub menu. You can set the format of camera and confirm.

3.2 Main Menu

3.2.2 AE (Auto Exposure)

AE describes the brightness-related parameters. You can adjust the image brightness by the **BRIGHTNESS**, **EXPOSURE MODE**, and **GAIN** in different light conditions.

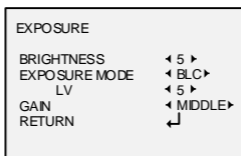


Figure 3-2 AE

BRIGHTNESS

Brightness refers to the brightness of the image. You can set the brightness value from 1 to 10 to darken or brighten the image. The higher the value is, the brighter the image is.

EXPOSURE MODE

You can set **AE** mode as **GLOBAL**, **BLC**, and **WDR**.

- **GLOBAL**

GLOBAL refers to the normal exposure mode which is for adjusting the situations including unusual lighting distribution, variations, non-standard processing, or other conditions of under exposure to get an optimum image.

● BLC (Backlight Compensation)

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

When BLC is selected as the exposure mode, the BLC level can be adjusted from 0 to 8.

● WDR (Wide Dynamic Range)

The wide dynamic range (WDR) function helps the camera provide clear images even under back light circumstances. WDR balances the brightness level of the whole image and provide clear images with details.

GAIN

It optimizes the clarity of image in poor light scene. The **GAIN** level can be set to **HIGH**, **MIDDLE**, and **LOW**. Select **OFF** to disable the **GAIN** function.



The noise will be amplified if the **GAIN** is on.

3.2.3 WB (White Balance)

White balance is the white rendition function of the camera to adjust the color temperature according to the environment. It can remove the unrealistic color casts in the image. You can set WB mode as **ATW**, and **MWB**.

ATW

In **ATW** mode, white balance is being adjusted automatically according to the color temperature of the scene illumination.

MWB

You can set the **R GAIN/B GAIN** value from 0 to 255 to adjust the shades of red/blue color of the image.

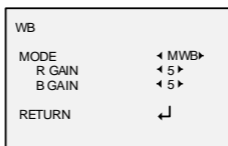


Figure 3-3 MWB Mode

3.2.4 DAY-NIGHT

Color, **B/W**, and **SMART** are selectable for DAY and NIGHT switches.

COLOR

The image is colored in day mode all the time.

B/W

The image is black and white all the time, and the IR LED turns on in the low-light conditions.

SMART

You can select to turn on/off the **INFRARED** and set the value of SMART IR in this menu.

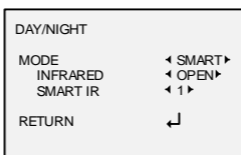


Figure 3-4 Day & Night

● INFRARED

You can select to turn on/off the IR LED to response to the requirements of different circumstances.

● SMART IR

The **Smart IR** function is used to adjust the light to its most suitable intensity, and to prevent the image from over exposure. The **SMART IR** value can be adjusted from 0 to 3. The higher the value is, the more obvious effects are, and it is disabled when the value is 0.

3.2.5 VIDEO SETTING

Move the cursor to **VIDEO SETTING** and press the confirm button to enter the submenu. **CONTRAST**, **SHARPNESS**, **COLOR GAIN**, **DNR** and **MIRROR** are adjustable.

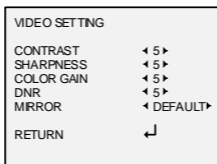


Figure 3-5 Video Setting

CONTRAST

This feature enhances the difference in color and light between parts of an image. You can set the **CONTRAST** value from 1 to 10.

SHARPNESS

Sharpness determines the amount of detail an imaging system can reproduce. You can set the **SHARPNESS** value from 1 to 10.

COLOR GAIN

Adjust this feature to change the saturation of the color. The value ranges from 1 to 10.

DNR (Digital Noise Reduction)

The DNR function can decrease the noise effect, especially when capturing moving images in low light conditions and delivering more accurate and sharp image quality.

You can set the **DNR** value from 1 to 10.

MIRROR

DEFAULT, **H**, **V**, and **HV** are selectable for mirror.

DEFAULT: The mirror function is disabled.

H: The image flips 180 degree horizontally.

V: The image flips 180 degree vertically.

HV: The image flips 180 degrees both horizontally and vertically.

3.2.6 RESET

Reset all the settings to the default.

3.2.7 SAVE &EXIT

Move the cursor to **SAVE &EXIT** and press OK to save the setting and exit the menu.