Mini High Speed Dome
Quick Setup Guide

NO:101-500-0250-01
Issue:1.0

Precautions

Fully understand this document before using this device, and strictly observe rules in this document when using this device. If you install this device in public places, provide the tip "You have entered the area of electronic surveillance" in an eye-catching place. Failure to correctly use electrical products may cause fire and severe injuries.

⚠ WARNING	It alerts you to moderate dangers which, if not avoided, may cause minor or moderate injuries.
⚠ CAUTION	It alerts you to risks. Neglect of these risks may cause device damage, data loss, device performance deterioration, or unpredictable results.
📖 NOTE	It provides additional information.

⚠ WARNING

- Strictly observe installation requirements when installing the device. The manufacturer shall not be held responsible for device damage caused by users' non-conformance to these requirements.
- Strictly conform to local electrical safety standards and use power adapters that are marked with the LPS standard when installing and using this device. Otherwise, this device may be damaged.
- Use accessories delivered with this device. The voltage must meet input voltage requirements for this device.
- If this device is installed in places with unsteady voltage, ground this device to discharge high energy such as electrical surges in order to prevent the power supply from burning out.
- When this device is in use, ensure that no water or any liquid flows into the device. If water or liquid unexpectedly flows into the device, immediately power off the device and disconnect all cables (such as power cables and network cables) from this device.
- Do not focus strong light (such as lighted bulbs or sunlight) on

this device. Otherwise, the service life of the image sensor may be shortened.
- If this device is installed in places where thunder and lightning frequently occur, ground the device nearby to discharge high energy such as thunder strikes in order to prevent device damage.

⚠ CAUTION

- Avoid heavy loads, intensive shakes, and soaking to prevent damages during transportation and storage. The warranty does not cover any device damage that is caused during secondary packaging and transportation after the original packaging is taken apart.
- Protect this device from fall-down and intensive strikes, keep the device away from magnetic field interference, and do not install the device in places with shaking surfaces or under shocks.
- Clean the device with a soft dry cloth. For stubborn dirt, dip the cloth into slight neutral cleanser, gently wipe the dirt with the cloth, and then dry the device.
- Do not jam the ventilation opening. Follow the installation instructions provided in this document when installing the device.
- Keep the device away from heat sources such as radiators, electric heaters, or other heat equipment.
- Keep the device away from moist, dusty, extremely hot or cold places, or places with strong electric radiation.
- If the device is installed outdoors, take insect- and moisture-proof measures to avoid circuit board corrosion that can affect monitoring.
- Remove the power plug if the device is idle for a long time.
- Before unpacking, check whether the fragile sticker is damaged. If the fragile sticker is damaged, contact customer services or sales personnel. The manufacturer shall not be held responsible for any artificial damage of the fragile sticker.

Special Announcement

- All complete products sold by the manufacturer are delivered along with nameplates, quick setup guide and accessories after strict inspection. The manufacturer shall not be held responsible for counterfeit products.
- The manufacturer will update this manual according to product function enhancement or changes and regularly update the software and hardware described in this manual. Update information will be added to new versions of this manual without prior notice.
- This manual may contain misprints, technology information that is not accurate enough, or product function and operation description that is slightly inconsistent with the actual product, the final interpretation of company is as a standard.
- This manual is only for reference and does not ensure that the information is totally consistent with the actual product. For consistency, see the actual product.

📖 NOTE

For more information, please refer to CD and website.

1　Open Package Examination

Open the package, check the appearance of product for no obvious damage, and confirm the item list for table 1-1 is consistent.

Table 1-1 Packing list

Component	Quantity	Remark
Mini High Speed Dome Camera	1	
Quick Setup Guide	1	
Instruction	1	
Power adapter	1	
Stainless hexagon screw	1	
Self-tapping screw	1	
Wall mounting bracket	1	Default
Ceiling mounting bracket		Optional

2　Device Structure

2.1 Device Ports

📖 NOTE

Different device may have different multi-head cable, please refer to the actual product.
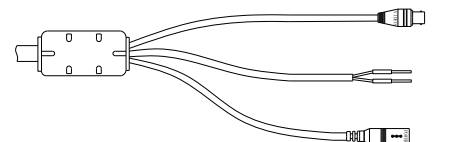
**Figure 2-1** Multi-head cable

Table 2-1 Multi-head cable description

ID	Core		Description	Remark
1	-	BNC Video	Sends an analog video signal. You can connect the camera to a TV monitor through this port to view the analog video.	
2	Red	RS485+	Connects an external Pan Tilt Zoom (PTZ).	
	Yellow	RS485-		
3	-	Power port	Power supply The default value is DC 24v, DC 12V is optional.	

2.2 Camera Dimensions

📖 NOTE

Different device may have different dimensions, please refer to the actual product.
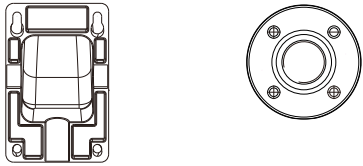
Figure 2-2 Dimensions　Unit:mm
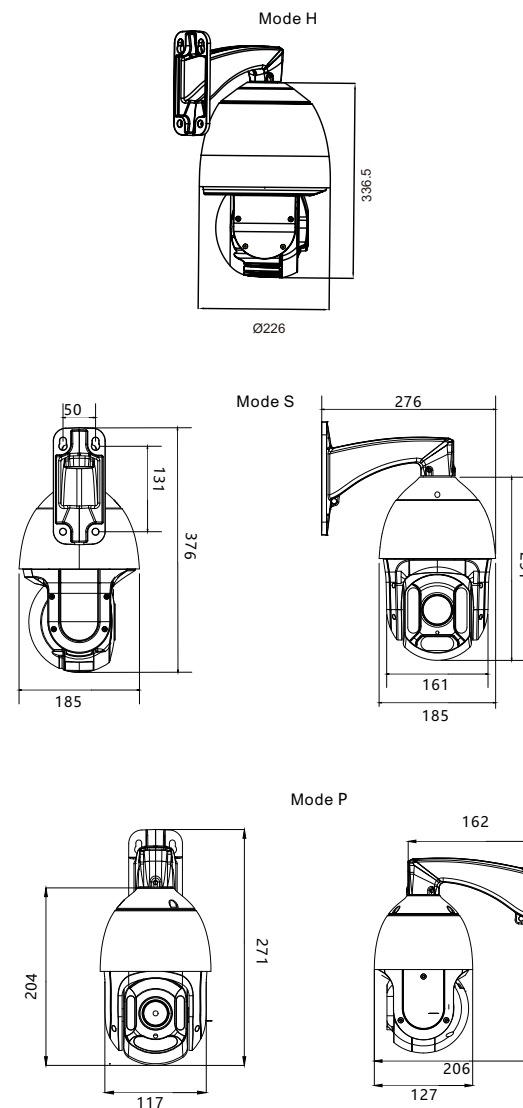
Installation Steps:

Step 1 Please make the mark based on bracket dimensions for drilling the hole. Drill four φ8 holes over 60 mm depth, and drive the swell plastic buttons into the holes.
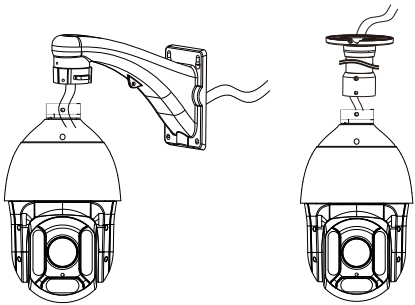
Figure 3-1 Bracket dimensions(unit:mm)

Step 2 Thread all cables through the cable hole on the side of the bracket,as shown in the figure 3-2.
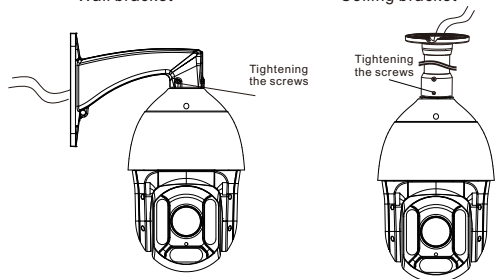
Figure 3-2 Aligning the screw holes

Wall bracket   Ceiling bracket

Step 3 Attach the high speed dome to the bracket, the tighten the three screws, as shown in figure 3-3.

Figure 3-3 Fixing the bracket and dome

Wall bracket   Ceiling bracket

Tightening the screws

Tightening the screws

Step 4 Mount the high speed dome to the wall or ceiling and tighten the four screws on the bracket completely.

4.1 PTZ settings

Step 1 After the high-speed camera is installed, connect the device to a digital video recorder (DVR) or analog. screen
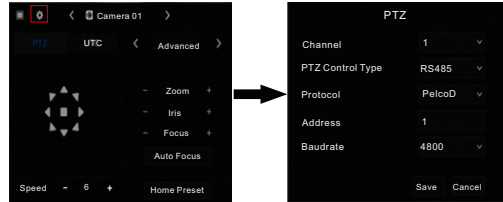
Step 2. The live video is showing. At the screen, click the left mouse button and the icon appears, click PTZ icon, enter the PTZ and UTZ settings interface, click the setting icon to enter the PTZ settings as shown in Figure 4-1.

Figure4-1 Baud rate setting

Step 3. Select the PTZ control protocol as RS485, the protocol to select PelcoD, and the baud rate to choose 4800.

Step 4. Click "Save" to save the PTZ settings.

📖 NOTE

If the RS485 interface is on the DVR panel, the high-speed camera can be controlled by the RS485 protocol, otherwise it can only be directly controlled by the PTZ protocol.

4.2 PTZ keyboard

The PTZ keyboard can adjust the lens direction of the high-speed dome camera in multiple directions.
The right side menu allows you to select advanced setting, preset, scan, and tour.
Advanced settings: You can zoom, iris, focus, and auto focus on the high speed dome camera.
Preset position: Set the preset position, a total of 250 preset positions can be set. Two consecutive clicks the 9 or 95 preset positions can enter the main menu, as shown in Figure 4-2.

Figure 4-2 Main Menu
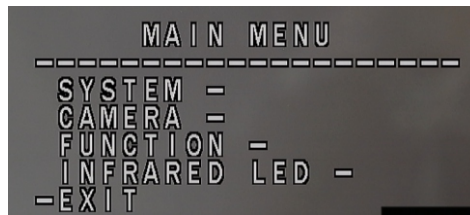
Scan: You can edit the set scan route.
Tour: You can set the tour according to the preset settings.

4.3 UTC

The UTC keyboard can adjust the main menu up and down, and confirm the save settings, as shown in Figure 4-3.
Left button to confirm the modification.
Right button to enter the next level menu and set the parameters.
The up and down button to move up and down to select a menu, and increase or decrease the value in the setting state.
Middle button to confirm and exit.

Figure4-3 UTC menu

4.4 Main Menu

• System: You can view dome information, ID setting information, clock settings, set autorun, and default settings as shown in figure 4-4.
• Camera settings: you can set the focus zoom, lens initial, video format, default settings, etc., as shown in figure 4-5.
• Funtion settings: you can set preset, scan, tour, and pattern.
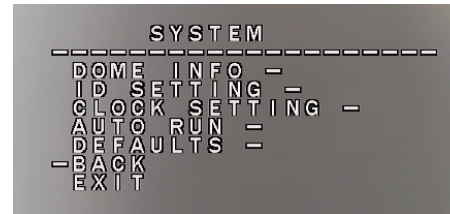• The infrared LED setting is shown in Figure 4-6.
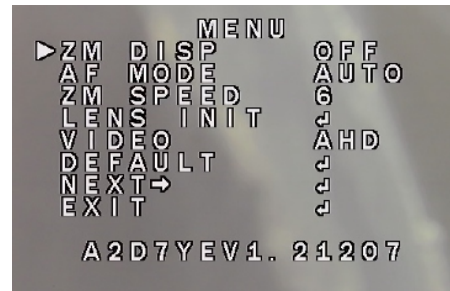
Figure4-4 SYSTEM

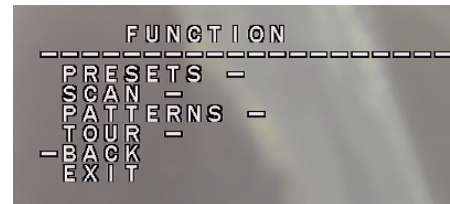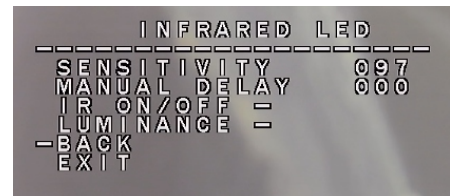**Figure4-4 Camera setting**

Figure4-5 FUNCTION

Figure4-6 INFAREDE LED

📖 NOTE

• "BACK" : Return to the previous menu.
• "EXIT" : Exit the main menu.
• "ON" : Open the settings.
• "OFF" : Turn off the setting.