Knight Watch Install Guide

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- 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).
- Do not focus direct, intense light on the camera. Otherwise, the service life of the image sensor may be shortened.
- If this device is installed in places where thunder and lightning or electrostatic discharges frequently occur, ensure the device has adequate grounding, to prevent permanent 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 falling and physical shock, keep the device away from magnetic field interference, and do not install the device in places experiencing high vibration levels.
- 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 your supplier in the first instance. The manufacturer shall not be held responsible for any artificial damage of the fragile sticker.
- Keep the device ventilation to avoid overheating.
- Do not install the device in extremely hot, cold, dusty, high salinity, high humidity, or corrosive environments, Forbid disassembling the device in these environments.
- If the equipment is disassembled for a long time, or the device is not installed properly after debugging, it will affect the sealing, potentially causing the equipment to condensate.

1 Packing List

Open the package, check the appearance of product for no obvious damage, and confirm whether the items are consistent with the list below.

Table 1-1 Packing list

Component	Quantity	Note
RVK-W40 Camera	1	
Quick Setup Guide	1	
Fitting Template	1	
Accessory package	1	

2 Device Structure

2.1 Device Ports

🕮 NOTE

Different devices may have different ports and multi-head cable; Please refer to the actual product.
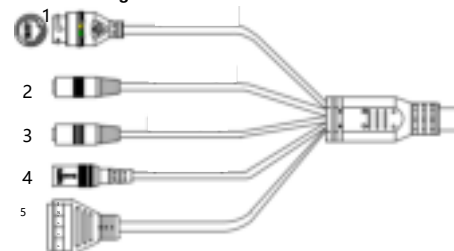
Figure2-1 Multi-head cable

Table 2-1 Multi-head cable description

ID	Cable	Description	Note
1	Network Port	RJ45 socket, for connection to standard Ethernet or PoE Ethernet devices.	PoE 802.3af Device
2	Audio Output	Line-level audio signal, for connection to amplifier/ speaker	
3	Audio Input	Mic/Line-level audio input	Selectable via menu
4	Power (12V DC)	For connection to regulated DC supply	Do not use with PoE supply!
5	G	Alarm Output COM	Voltage-free contacts
	OUT	Alarm OUT	
	G	Alarm Input COM	
	IN	Alarm IN	

2.2 Camera Dimensions

🕮 NOTE

Different devices may have different dimensions; Please refer to the actual product.

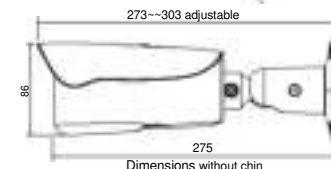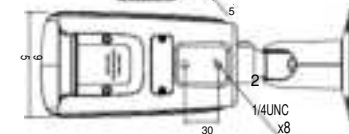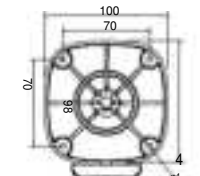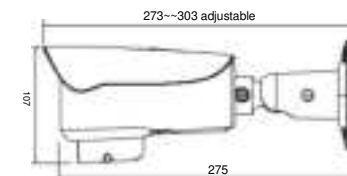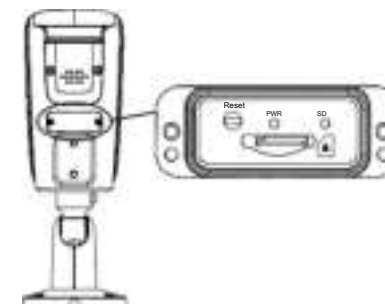**Figure 2-2** Dimensions (Unit: mm)

Figure 2-3 Install SD card

2.3 Nighttime light settings (Model Dependent)

The camera lighting has four modes, they are intelligent dual light (current lighting will switch to white light after an alarm is triggered and will switch back to the original lighting condition after 30s of the alarm closing), white light, infrared lamp and no light.

The cameras can be set to different lighting modes, please select the lighting mode according to the actual scene.

Day mode: It can be used in the scene with sufficient ambient light for 24 hours, no camera lighting is used, and the image remains in colour.
Night mode: it can be used in the scene where there is insufficient ambient light for 24 hours, camera lighting is always on (it can be selected according to the four modes).
Auto mode: Automatically switch the lights according to the luminance of the environment.
Timing mode: Set the start and end time of the day, this time period is day mode for camera.

🕮 NOTE

Different devices may have different lights; Please refer to the actual product. IR = IR only. IRWL = dual IR and White Light.

3 Device Installation

The Knight Watch Camera can be installed on the column or a wall. You can select an installation mode based on the site requirements. If the camera is installed on a concrete wall, install the expansion bolts before installing the bracket. If the camera is installed on a wooden wall, use self-tapping screws to install the bracket directly.

Installation Steps:

Step 1 Stick the Installation location sticker on the ceiling or wall. Drill four holes based on the marks on the sticker. Drive the plastic wall plugs into the holes, Install the camera on the ceiling or wall and fix the screws as shown in figure 3-1.

Step 2 Connect the multi-connector cable.

NOTE

The wall where the support is mounted must be able to withstand at least three times of the total weight of the bracket and the camera. You can route cables from the top or from the side. If you use the top routing method, drill a hole in the surface first. If you use the side routing method, please route the multi-head cable out from the side gap at the bottom of the camera.

Figure 3-1 Installing bracket

Step 3 Turn on the camera, connect test monitor, adjust the camera screen to the corresponding area. To adjust the position of the camera, loosen the three axis screws on bracket to manually adjust the position, then tighten the screws after finishing adjustment, as shown in figure 3-2.

Figure 3-2 Finish installation

NOTE

During installation, ensure that the weather-resistant properties of the bracket and cable are not compromised. Please make sure the cable fitting allows water to run-off before entering the bracket.

4 Quick Configuration

4.1 Login

Step 1 Open **Microsoft Edge** browser, enter the IP address of IP camera (default value: DHCP or 192.168.0.120) in the address box, and press **Enter**. The login page is displayed as shown in figure 4-1 .

Step 2 Input the username and password.

NOTE
- Default login is admin/ admin. Change the password when you log in the system for first time to ensure system security.
- It is advised to restart the device three minutes later after modifying the password
- You can change the system's display language on the login page.
- Browser support includes Edge, Google Chrome, Firefox, Opera, for live video streaming and configuring settings.

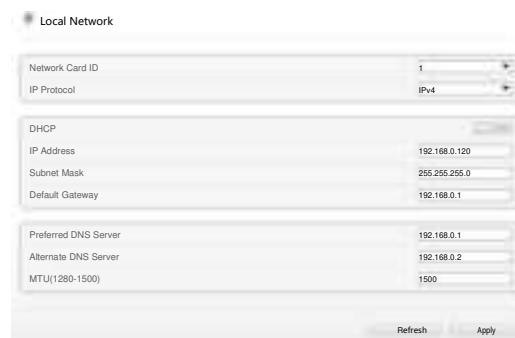Step3 Click **Login** icon, the main page is displayed.

4.2 Modify IP Address

Choose **Configuration > Device > Local Network**, the **Local Network** page is displayed.
Input the IP address in the IP Address box and click **Apply** as shown in figure 4-2.
After the IP address is set successfully, please use the new IP address to login the Web interface.

Figure 4-2 Local network

4.3 Browsing Video

H.264 video can be played directly. If smooth H.265 video is desired, the "IPC local server" application should be downloaded directly from the camera.
Click the icon to download and follow the steps to install on the PC.
Click "Switch to No plugin Play" to switch mode.

Figure 4-3 Download IPC local server app

4.4.2 PC ▬ Camera
Step 1 Connect microphone to PC audio input interface.
Step 2 Connect speaker to camera audio out interface.
Step 3 Log in camera Web, click   to turn on two-way audio.

4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, users can set the parameters of Intrusion, Single Line Crossing, Double Line Crossing, Multi-Loitering, Retrograde and People Counting, as shown in figure 4-6 .
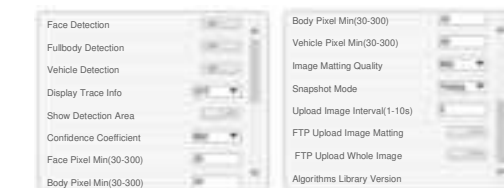
Figure 4-6 Intelligent analysis

4.5 AI Multi object
 At "Configuration > AI Multi object" interface, user can enable face detection, full body detection, vehicle detection, set the other parameters of detection, as shown in figure 4-7.

Figure 4-7 AI Multi-object

NOTE

For better capture performance, it is recommended to use 6mm focus length lens or above.