Liberty

L3IP8BDS180S

Quick Guide

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 website.

Warranty:

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
Binocular Network Camera	1	
Quick Setup Guide	1	
L hexagonal wrench	1	
Installation location sticker	1	
Plastic anchor φ 5.6×29 mm	4	
Stainless self-tapping screw PA 4.0×30 mm	4	
Network access port protective cover	1	
Waterproof rubber seal	1	
Connecting terminal	1	

2 Device Structure

2.1 Device Ports

📖 NOTE

Different devices may have different ports and multi-head cables; Please refer to the actual product.
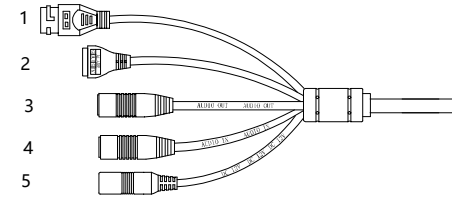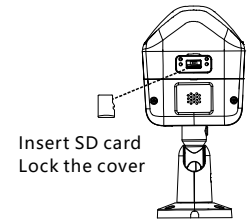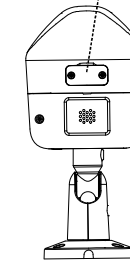
Figure 2-1 Multi-head cable

Table 2-1 Multi-head cable description

ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE. The green light is on, the network connection is normal; the yellow light flashes when the data is transmitted. Some models maybe not have the lights; Please refer to the actual product.	Support PoE supply.
2	G	Alarm output COM	Applied for alarm function
	OUT	Alarm output terminal	
	G	Alarm input COM	
	IN	Alarm input terminal	
3	Audio out	Connects to an external audio device such as a speaker.	Applied for cameras with audio function
4	Audio in	Receives an analog audio signal from devices such as a sound pickup device.	
5	Power supply (DC 12V)	Connects to a 12V direct current (DC) power supply.	

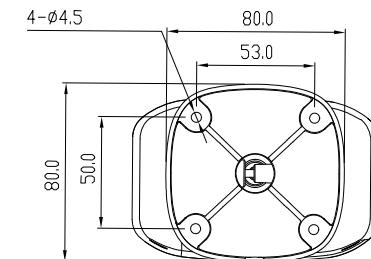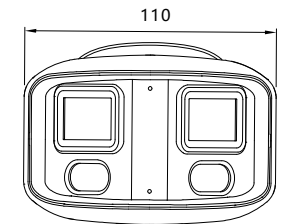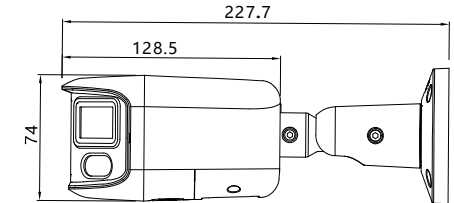**Figure 2-2** Installing SD card

Remove the screws open the cover

Insert SD card
Lock the cover

2.2 Camera Dimensions

📖 NOTE

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

Figure 2-3 Dimensions (Unit:mm)
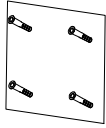

227.7
128.5
74

110

4−Φ4.5   80.0
53.0
80.0 50.0

3 Device Installation

The Bullet Network Camera can be installed on the ceiling or wall. You can select an installation mode based on 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 anchors into the holes.
Step 2 Connect the multi-connector cable.
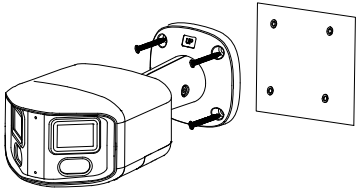
Figure 3-1 Installation position

📖 NOTE

The installation method can be adjusted according to the actual situation, and the installation method introduced here is wall installation.
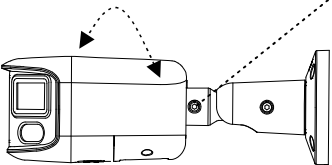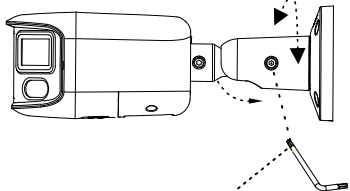
Step 3 Install the camera on the wall and fix the screws as shown in figure 3-2.

Figure 3-2 Installing camera

Step 4 Loosen the locking screws to adjust the position so that the camera faces the monitored area, then tighten the locking screwns, as shown in figure 3-3.

Figure 3-3 Adjusting the monitoring direction

4 Quick Configuration(e.g Edge)

4.1 Login

Step 1 Open the **Microsoft Edge** browser, enter the IP address of IP camera (DHCP is on by default) in the box, and press **Enter**. The login page is displayed as shown in figure 4-1 .
Step 2 Input the user name and password.

📖 NOTE

• There is no default password for the camera. User needs to create a new password when login for the first time.
• 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.
• We support Google Chrome, Firefox, Edge and other main browsers to play live video and configure parameters.

Figure 4-1 Login

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.
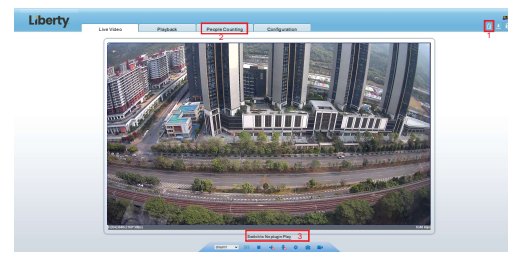
Figure 4-2 Local network

4.3 Browsing Video

For H.264 video, it can be played directly; If you want to play H.265 video smoothly, the IPC local server should be downloaded in advanced. You can click 🔽 icon to download, and install it following the steps, then you can play the H.265 video. Click "Switch to No plugin Play" to switch mode.

Figure 4-3 Download IPC local server

1 Download IPC local server: Click the icon to download the software, and install it following the tips. Refresh the Web to play the live video by using plugin. You can view the H.265 type video.

2 People Counting: Users can query the data of people counting, through year, month, day. The statistics can be downloaded. The data can be shown by line chart, histogram, list.
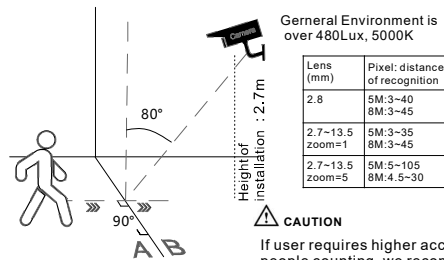
3 Switch to No plugin play: Install the IPC local server, users can choose plugin or No plugin to play the live video.

⚠️ **WARNING**

*PTZ interface is only for some models, not for all models. The above figures are only for example, please refer to actual product.

*The function of bellow the introduce are not supported for all IP camera, please refer to actual product.

Figure 4-4 Installation of people counting

Gerneral Environment is over 480Lux, 5000K

Lens (mm)	Pixel: distance of recognition
2.8	5M:3~40 8M:3~45
2.7~13.5 zoom=1	5M:3~35 8M:3~45
2.7~13.5 zoom=5	5M:5~105 8M:4.5~30

⚠️ CAUTION

If user requires higher accuracy of people counting, we recommend the users to install camera and draw the line following as figure 4-5.

4.4 Two-way Audio

📖 NOTE

Partial cameras do not support two-way audio, this section does not apply.

4.4.1 Camera ⇔ PC

Connection:
Step 1 Connect microphone to audio input interface of camera.
Step 2 Connect speaker to the PC audio output interface.
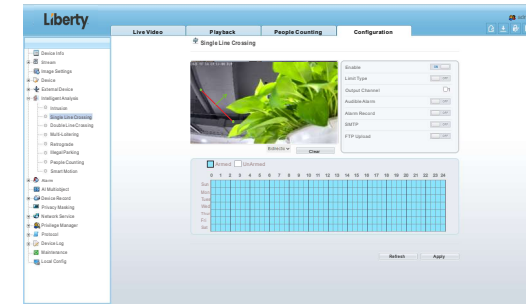Step 3 Log in camera Web, click 🔊 to turn on two-way audio.

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.

4.5 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, users can set the parameters of Intrusion, Single Line Crossing, Double Line Crossing, Multi-Loitering, Retrograde, Illegal Parking, People Counting and Smart Motion, as shown in figure 4-5 .
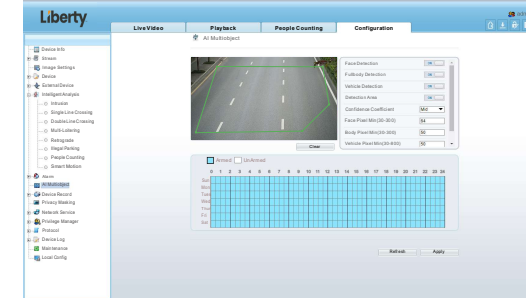
Figure 4-5 Intelligent analysis

4.6 AI Multi Object

At "Configuration > AI Multi object" interface, users can enable face detection / full body detection / vehicle detection / detection area, set face pixel min / body pixel min / vehicle pixel min as shown in figure 4-6.

Figure 4-6 AI Multi-object

📖 NOTE

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