Liberty

L3IP4BS L3IP8BS

Quick Guide

Liberty Liberty Wire & Cable, Inc. 1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 — 855.388.7422 — www.libertyonline.com

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.

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
Bullet Network Camera	1	
Quick Setup Guide	1	
Installation location sticker	1	Optional
L Hex Wrench	1	
Stainless self-tapping screw PA4.0x30mm	4	
Swell plastic button φ5.6x29mm	4	
Waterproof rubber seal	1	
Video patch cord	1	
Green terminal block 4 PIN	1	Optional

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

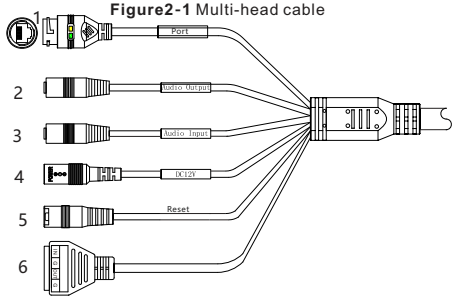


Table 2-1 Multi-head cable description

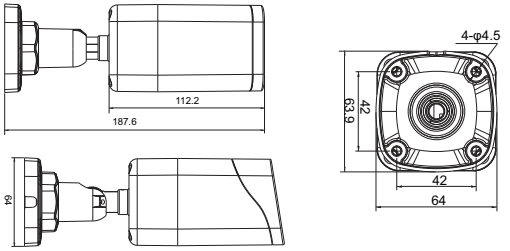
ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE . The green light is on, the network connection is normal; the yellow light flashes when the data is transmitted. Some models maybe not have the lights, please refer to actual product.	Support PoE supply.
2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

2.2 Camera Dimensions

NOTE

Different devices may have different dimensions, please refer to the actual product.

Figure 2-4 Dimensions (Unit: mm)



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 three holes based on the marks on the sticker. Drive the swell plastic buttons into the holes.

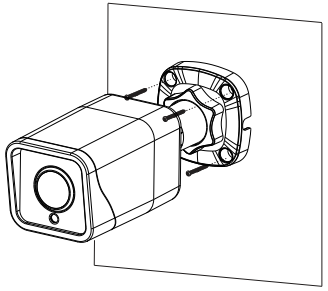
Step 2 Connect the multi-connector cable.

NOTE

you can route cables from the top or from aside. If you use the top routing method, drill a hole in the surface first. If you use the aside routing method. When you route cables from aside, Please route the multi-head cable out from the side gap at the bottom of the camera.

Step 3 Install the camera on the ceiling or wall, and fix the screws as shown in figure 3-1.

Figure 3-1 Installing camera



Step 4 Loosen the fixing screw and locking ring to adjust the position so that the camera faces the monitored area, then tighten the locking ring and the fixing screw, as shown in figure 3-2。

Figure 3-2 Adjusting the monitoring direction

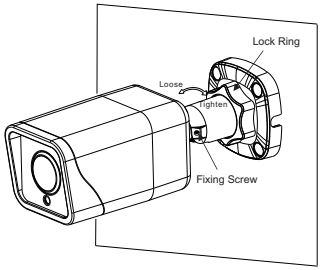
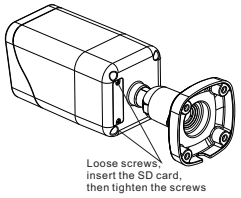


Figure 3-3 Installing SD card



4 Quick Configuration(e.g IE)

4.1 Login

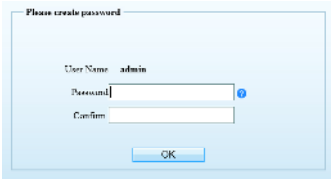
Open the Internet Explorer, enter the IP address of IP camera (DHCP is on by default) in the address box, and press Enter. The login page is displayed. as shown in figure 4-1 .

Figure 4-1 Login

NOTE

- There is no default password for the camera. User needs to create a new password when login for the first time. Shown in figure 4-2

Figure 4-2 Create password



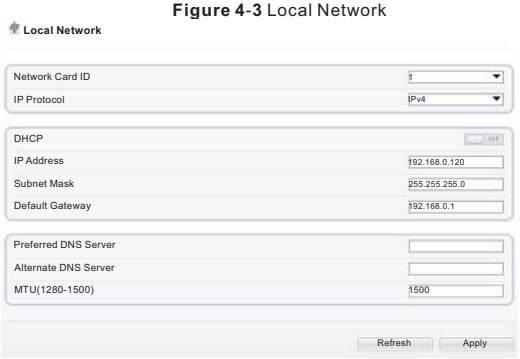
4.2 Modify IP address

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 4-3.

After the IP address is set successfully, please use the new IP address to login the Web interface.

Figure 4-3 Local Network

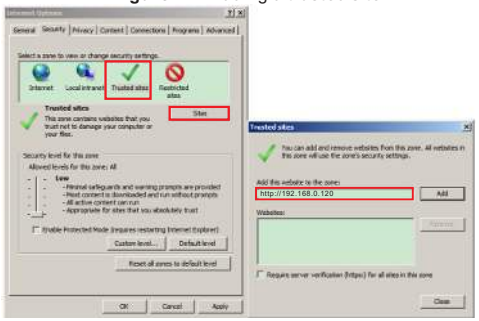


4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you login the web for the first time:

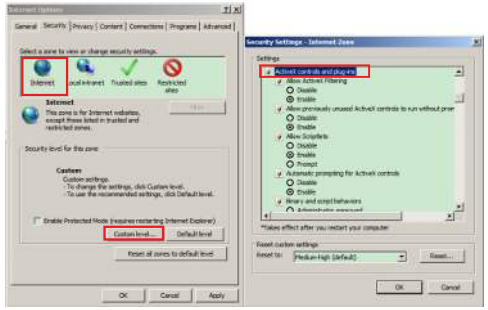
Step 1 The Internet Explorer. **Choose Tools** > **Internet options** > **Security** > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-4.

Figure 4-4 Adding a trusted site



Step 2 In the Internet Explorer, choose **Tool** > **Internet Options** > **Security** > **Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to enable**, as shown in figure 4-5.

Figure 4-5 Configuring ActiveX control and plug-in



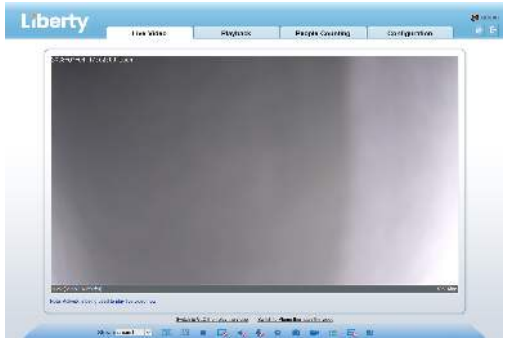
Step 3 Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control , please ignore the prompt, and continue the installation, close the Web page during installing. Then login the page again.

To browse a real-time video, login the device and click **Live Video**. The Live Video page is displayed, as shown in figure 4-6.

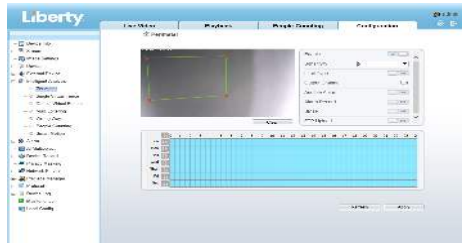
Figure 4-6 Live Video



4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, as shown in figure 4-7 .

Figure 4-7 Intelligent Analysis



4.5Alarm Configuration

NOTE

Partial camera do not support alarm, this section do not apply.

Alarm input and Alarm output connection:

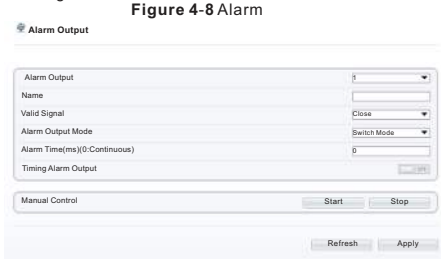
Step1 Connect alarm input device to Alarm IN0 and Alarm COM0 of multi-head cable.

Step2 Connect alarm output device to Alarm OUT1 and Alarm COM1 of multi-head cable, alarm output interface can connect to normal open device only.

Step3 Log in Web, Choose **Configuration> Alarm > Alarm output**, set the parameters as shown in figure 4-8.

Step4 Choose **Configuration > Alarm > I/O Alarm Linkage** , enable the I/O Alarm and set the parameters of Schedule Setting.

Figure 4-8 Alarm



Supplier's Declaration of Conformity

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information Unique Identifier: L3IP4BS, L3IP8BS

Responsible Party – U.S. Contact Information: **Liberty Wire & Cable, Inc.**
1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 855.388.7422

Warranty:

The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for a period of three (3) years from the original invoice date.

Liberty

L3IP4PTZ30XS

Quick Guide

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- 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.
- The laser from the laser high speed camera can not directly face the human eyes to avoid possible damage to the human eyes.
- Laser high-speed cameras' lasers may cause fire hazards when directly facing flammable objects within short distance, Please keep a certain safe distance during installation.

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.
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- 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.
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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
High Speed Dome Camera	1	
Quick Setup Guide	1	
Bracket connector	2	
No.5 Hex Wrench	1	
Slotted screwdriver	1	
Terminal block	2	
A pair of gloves	1	
Power adapter	1	
Wall mount bracket	1	
Stainless hexagon screw M6*14mm	3	
Stainless hexagon screw M5*9mm	1	

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

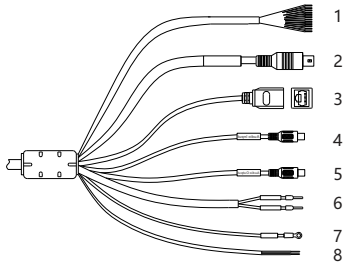


Table 2-1 Multi-head cable description

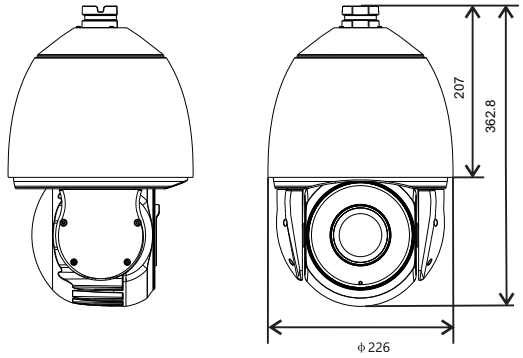
ID	Core	Function	Description
1	Brown	Alarm output channel 1	Alarm input and alarm output channels.
	Brown/ Black	Alarm output channel 1 common terminal	
	Red	Alarm output channel 2	
	Red/ Black	Alarm output channel 2 common terminal	
	Orange	Alarm input channel 1	
	Orange/ Black	Alarm input channel 2	
	Yellow	Alarm input channel 3	
	Yellow/ Black	Alarm input channel 4	
	Green	Alarm input channel 5	
	Green/ Black	Alarm input channel 6	
	Blue	Alarm input channel 7	
	Blue/ Black	Alarm input channel common terminal	
2	N/A	BNC Video	Sends an analog video signal. You can connect the camera to a TV monitor through this port to view the analog video.
3	N/A	Network port	Connects to a standard Ethernet cable.
4	Red taped core	Audio output	Connects to an external audio device such as a speaker.
5	White taped core	Audio input	Receives an analog audio signal from devices such as a sound pickup device..
6	Red core	AC 24V power supply	Supply power for device and heater.
	Black core		
7	N/A	Grounding wire	-
8	Yellow	RS485-	Connects an external Pan Tilt Zoom (PTZ).
	Green	RS485+	

2.2 Camera Dimensions

NOTE

Different device may have different dimensions, please refer to the actual product.

Figure 2-2 Dimensions Unit:mm

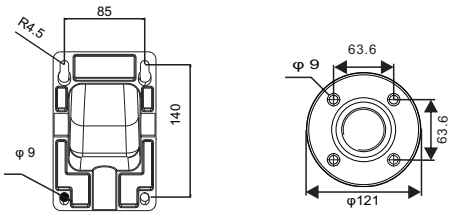


3 Device Installation

Installation Steps:

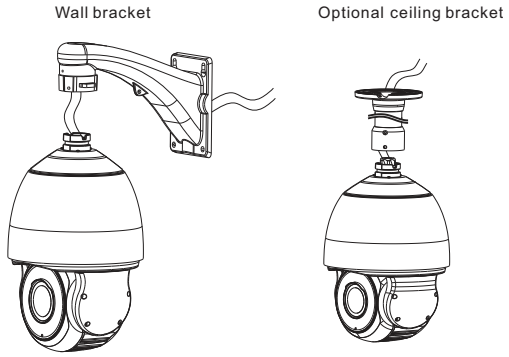
Step 1 Please make the mark based on bracket dimensions for drilling the hole. Drill four φ8 holes over 60 mm depth, and drive the swell plastic buttons into the holes.

Figure 3-1 Bracket dimensions(unit:mm)



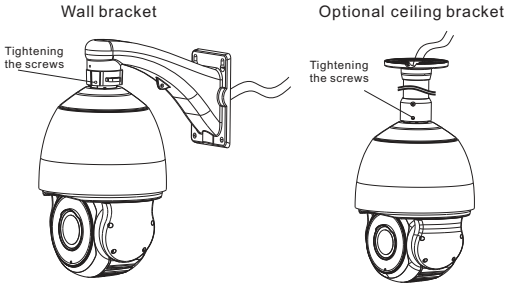
Step 2 Thread all cables through the cable hole on the side of the bracket,as shown in the figure 3-2.

Figure 3-2 Aligning the screw holes



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



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

4 Quick Configuration(e.g IE)

3.1 Login

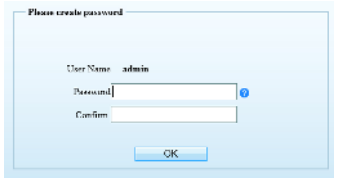
Open the Internet Explorer, enter the IP address of IP camera (DHCP is on by default) in the address box, and press Enter.The login page is displayed. as shown in figure 4-1. You can change the system display language on the login page.

Figure 4-1 Login

NOTE

- There is no default password for the camera. User need create a new password when login for the first time. Shown in figure 4-2

Figure 4-2 Create password



4.2 Modify IP address

Choose **Configuration > Device > Local Network**, the **Local Network** page is displayed.
Enter the IP address in the IP Address box and click **Apply** as shown in figure 4-3.
After the success of the IP address setting, please use the new IP address to log in the Web interface.

Figure 4-3 Local Network

4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you log in the web for the first time:

Step 1 Open the Internet Explorer. Choose **Tools** > **Internet options** > **Security** > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-4.

Step 2 In the Internet Explorer, choose **Tool** > **Internet Options** > **Security** > **Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to Enable**, as shown in figure 4-5.

Figure 4-4 Adding a trusted site

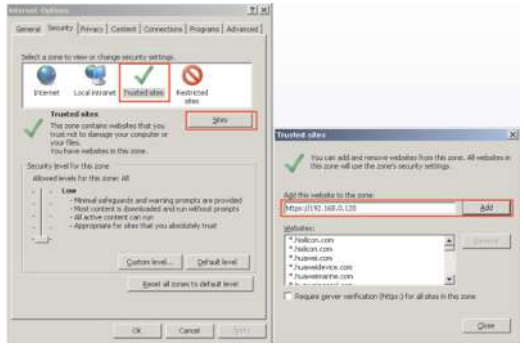
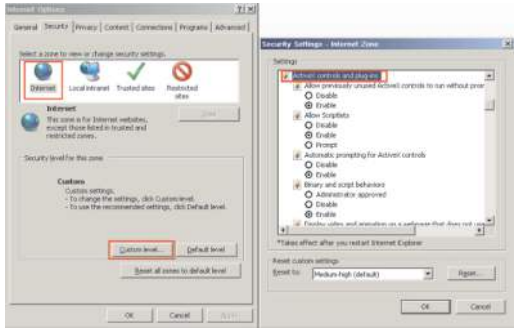


Figure 4-5 Configuring ActiveX control and plug-in



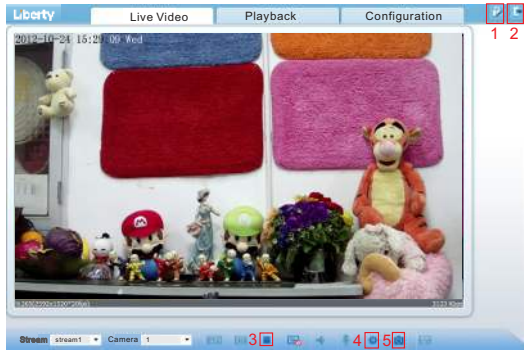
Step 3 Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control , please ignore the prompt, and continue the installation, the login page is displayed when the control is loaded.

To browse a real-time video, click Live Video. The Live Video page is displayed, as shown in figure 4-6.

Figure 4-6 Live Video



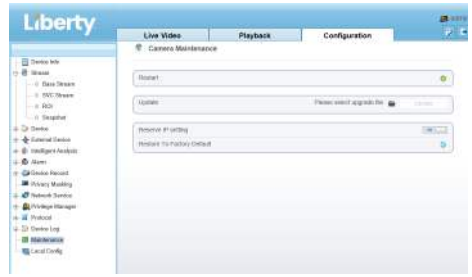
Description :

1. Click to change the password, Please change the password when you log in to the system for the first time to ensure system security.
2. Click to return to the login page.
3. Click to stop playing a video; click to play a video.
4. To set sensor parameters, click to open the Sensor Setting page. On the Sensor Setting page, you can set time segment, image, scene, exposure, WB, daynight, nosie reduction, enhance image.
5. Click , snapshot the video and save to local disk automatically.
6. Double-click in the video area to enter the full-screen mode, and double-click again to exit.

4.4 Factory Reset

Choose "**Configuration**〉**Maintenance**" , the ″Camera Maintenance" is displayed, as shown in figure 3-9. You can restart and restore the camera in this page.

Figure3-9 Camera Maintenance



Click , the message"Are you sure to restart?" is displayed, then click "Confirm", the device is restarted successfully five minutes later.
Click , the message "Are you sure to restore default settings?" is displayed, then click "Confirm", the device is restored to the factory settings.

CAUTION

After you click ,all parameters (you can choose whether to reserve the IP address) will be restored to the factory settings. Use this function carefully.

Supplier's Declaration of Conformity

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information Unique Identifier: L3IP4PTZ30XS

Responsible Party – U.S. Contact Information: Liberty Wire & Cable, Inc.
1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 855.388.7422

Warranty: The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for a period of one (1) years from the original invoice date.

Liberty

L3IP4TS L3IP4TS4 L3PI4TFCS

L3IP8TS L3IP8TS4

Quick Guide

Liberty Liberty Wire & Cable, Inc. 1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 — 855.388.7422 — www.libertyonline.com

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.

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
Eyeball Network Camera	1	
Quick Setup Guide	1	
Accessory package	1	
Location sticker	1	

2 Device Structure

2.1 Device Ports

NOTE

Different devices may have different interfaces, multi-head cables, and fill lights, please refer to the actual product.

Figure 2-1 Hardware interfaces

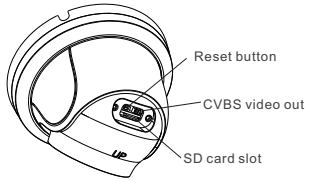


Table 2-1 Hardware interfaces description

ID	Port Name	Description
1	SD card slot	Install a SD card. NOTE • Before installing a SD card, make sure the card not in write protection state. • Before removing the SD card. make sure the card not in write protection state. Otherwise, the data may be lost ,or the SD card may be damaged.
2	CVBS video out	Output an analog video signal. You can connect the camera to a TV monitor through this interface to view the analog video.
3	Reset button	Long press the reset button for 5 seconds to restore the original settings.

Fill light settings

Camera's fill light has four modes, they are intelligent dual light (current fill light will switch to warm light after an alarm is triggered, and will switch back to the original fill light for 30s after the alert is released.), warm light, infrared lamp and none (Close the fill light and the color of image will stay in previous mode).

The different cameras can be set different fill light modes, please set fill light modes according to the actual scene.

Day mode: It can be used in the scene with sufficient ambient light for 24 hours, do not turn on the fill light, and the image is in color.
Night mode: it can be used in the scene where there is insufficient ambient light for 24 hours, turn on the fill light (it can be selected according to the four modes of the fill light).
Auto mode: Automatically switch the fill light mode 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.

Figure 2-2 Multi-head cable

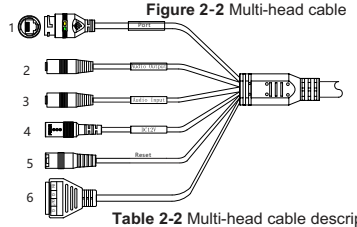


Table 2-2 Multi-head cable description

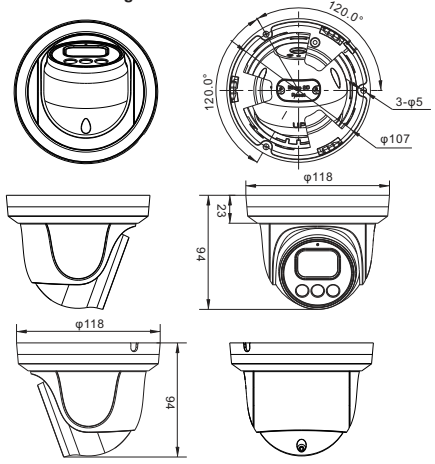
ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE . The green light is on, the network connection is normal; The yellow light flashes when the data is transmitted. Some models maybe not have the lights, please refer to actual product.	Support PoE supply.
2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

2.2 Camera Dimensions

NOTE

Different devices may have different dimensions, please refer to the actual product.

Figure 2-3 Dimensions Unit: mm

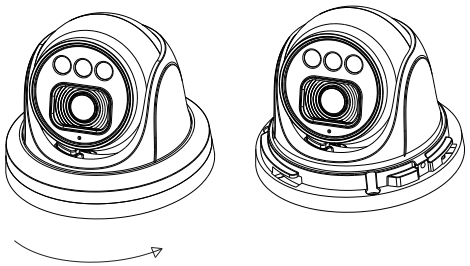


3 Device Installation

Installation Steps:

Step 1 Open the package, take out the camera, and disassemble camera's decorate cover, as shown in figure 3-1.

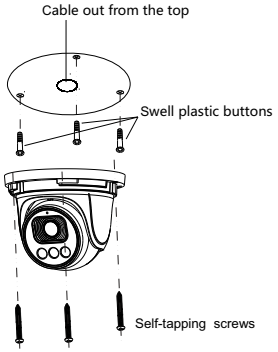
Figure 3-1 Disassemble camera



Step 2 Stick the installation location sticker on the ceiling or wall, drill three holes following the marks on the sticker. Push the swell plastic buttons into he holes, as shown in figure 3-2.

Step 3 Correspond the camera to swell plastic button, fix it to the ceiling (or wall) by using self-tapping screws.

Figure 3-2 Camera installation

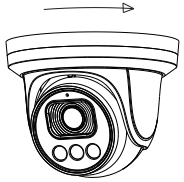


NOTE

You can route cables from the top or from aside. If you use the top routing method, drill a hole in the installation surface first, as shown in figure 3-2,. If you use the aside routing method, please cut the compression ring outlet, and route the multi-head cable out from the side gap at the bottom of the camera.

Step 4 Connected the multi-connector cable, the camera is connected to screen to adjust monitoring perspective, then tighten the decorate cover, as shown in figure 3-3.

Figure 3-3 Finish installation



NOTE

The camera's monitoring angle can be adjusted by three-axis rotation: horizontal rotation, up and down rotation, axial rotation of the lens, adjust the direction of the camera and aim the lens at the target.

1 The hemisphere can rotate up and down range of 0 to 80°;
2 the hemisphere can rotate left and right range of 0 to 360° ;
3 The ball lining can rotate 360° left and right.

4 Quick Configuration(e.g IE)

4.1 Login

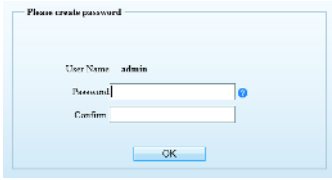
Open the Internet Explorer, enter the IP address of IP camera (DHCP is on by default) in the address box, and press Enter. The login page is displayed. as shown in figure 4-1 .

Figure 4-1 Login

NOTE

- There is no default password for the camera. User needs to create a new password when login for the first time. Shown in figure 4-2

Figure 4-2 Create password



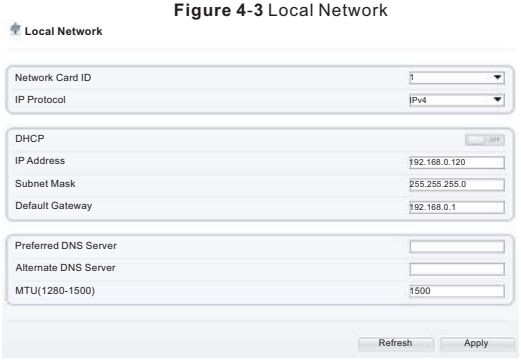
4.2 Modify IP address

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 4-3.

After the IP address is set successfully, please use the new IP address to login the Web interface.

Figure 4-3 Local Network

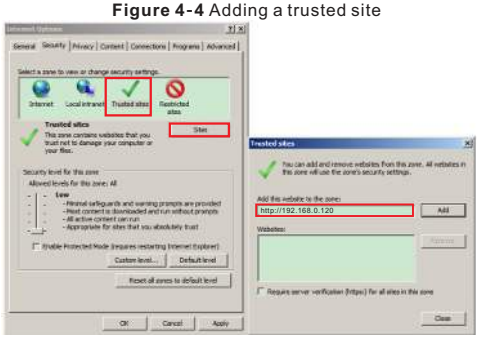


4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you login the web for the first time:

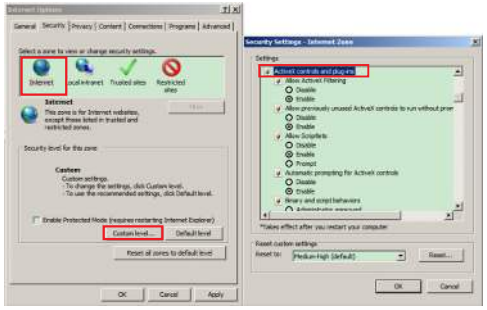
Security > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-4.

Figure 4-4 Adding a trusted site



Step 2 In the Internet Explorer, choose **Tool** > **Internet Options** > **Security** > **Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to enable**, as shown in figure 4-5.

Figure 4-5 Configuring ActiveX control and plug-in



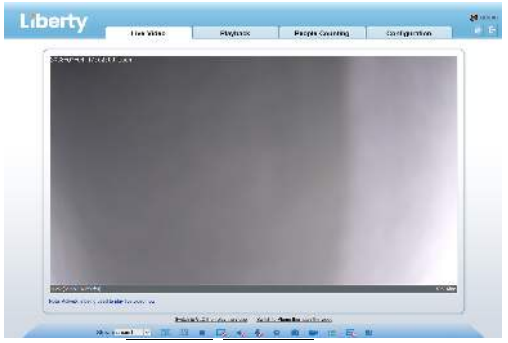
Step 3 Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control , please ignore the prompt, and continue the installation, close the Web page during installing. Then login the page again.

To browse a real-time video, login the device and click **Live Video**. The Live Video page is displayed, as shown in figure 4-6.

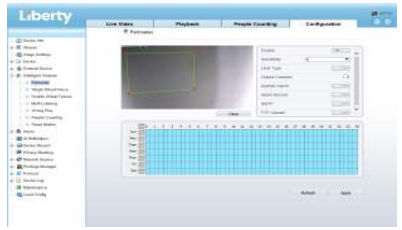
Figure 4-6 Live Video



4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, as shown in figure 4-7 .

Figure 4-7 Intelligent Analysis



4.5Alarm Configuration

NOTE

Partial camera do not support alarm, this section do not apply.

Alarm input and Alarm output connection:

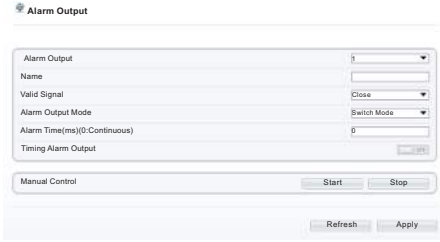
Step1 Connect alarm input device to Alarm IN0 and Alarm COM0 of multi-head cable.

Step2 Connect alarm output device to Alarm OUT1 and Alarm COM1 of multi-head cable, alarm output interface can connect to normal open device only.

Step3 Log in Web, Choose **Configuration> Alarm > Alarm output**, set the parameters as shown in figure 4-8.

Step4 Choose **Configuration > Alarm > I/O Alarm Linkage** , enable the I/O Alarm and set the parameters of Schedule Setting.

Figure 4-8 Alarm



Supplier's Declaration of Conformity

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information Unique Identifier:
L3IP4TS L3IP4TS4 L3PI4TFCS L3IP8TS L3IP8TS4

Responsible Party – U.S. Contact Information: Liberty Wire & Cable, Inc.
1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 855.388.7422

Warranty: The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for a period of three (3) years from the original invoice date.

Liberty

L3IP4VFBS L3IP8VFBS

Quick Guide

Liberty Liberty Wire & Cable, Inc. 1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 — 855.388.7422 — www.libertyonline.com

Precautions

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WARNING	It alerts you to moderate dangers which, if not avoided, may cause minor or moderate injuries.
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NOTE	It provides additional information.

WARNING

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- 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.
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- 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.

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
Bullet Network Camera	1	
Quick Setup Guide	1	
Installation location sticker	1	Optional
L Hex Wrench 80*25/54*18mm	1/1	
Stainless self-tapping screwPA4.0x30mm	4	
Swell plastic button φ5.6x29mm	4	
Waterproof rubber seal	1	
Video patch cord	1	
Alarm terminal block	1	Optional

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

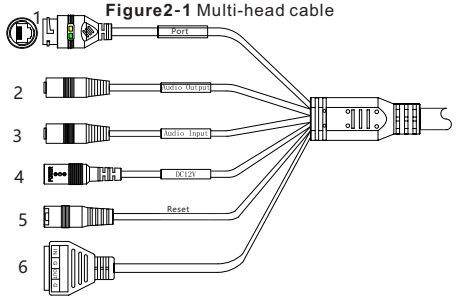


Table 2-1 Multi-head cable description

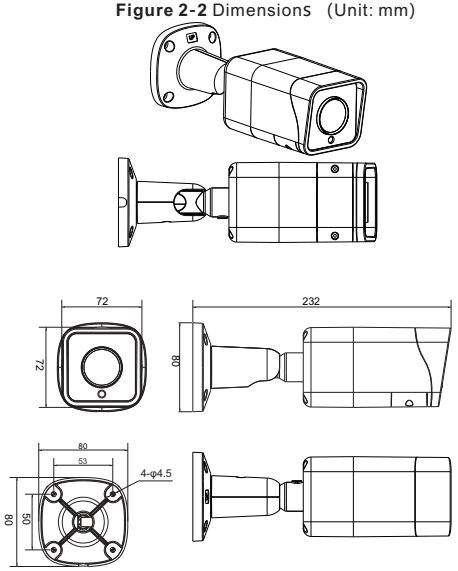
ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE . The green light is on, the network connection is normal; the yellow light flashes when the data is transmitted. Some models maybe not have the lights, please refer to actual product.	Support PoE supply.
2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

2.2 Camera Dimensions

NOTE

Different devices may have different dimensions, please refer to the actual product.

Figure 2-2 Dimensions (Unit: mm)



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 three holes based on the marks on the sticker. Drive the swell plastic buttons into the holes.

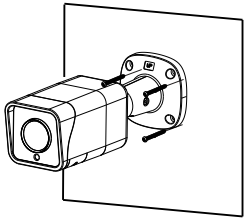
Step 2 Connect the multi-connector cable.

NOTE

you can route cables from the top or from aside. If you use the top routing method, drill a hole in the surface first. If you use the aside routing method. When you route cables from aside, Please route the multi-head cable out from the side gap at the bottom of the camera.

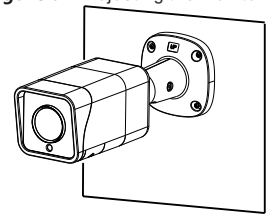
Step 3 Install the camera on the ceiling or wall, and fix the screws as shown in figure 3-1.

Figure 3-1 Installing camera



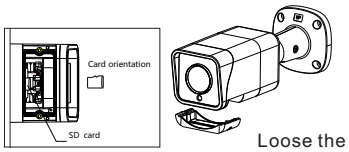
Step 4 Loosen the fixing screw and locking ring to adjust the position so that the camera faces the monitored area, then tighten the locking ring and the fixing screw, as shown in figure 3-2.

Figure 3-2 Adjusting the monitoring direction



Step 5 Once the monitoring area is set the auto focus lens can be set to the desired zoom level via a test monitor, recorders PTZ interface, or via cameras software. Once the zoom level is set the lens will auto-focus for a clear picture.

Figure 3-3 Adjusting the view angle and focal length



Loose the screws, move on the cover, and plug the SD card into slot, then tighten screws close cover.

NOTE

Different devices may have different method of installing SD card, please refer to the actual product.

4 Quick Configuration(e.g IE)

4.1 Login

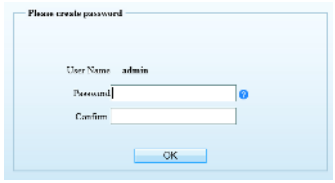
Open the Internet Explorer, enter the IP address of IP camera (DHCP is on by default) in the address box, and press Enter. The login page is displayed. as shown in figure 4-1 .

Figure 4-1 Login

NOTE

- There is no default password for the camera. User needs to create a new password when login for the first time. Shown in figure 4-2

Figure 4-2 Create password



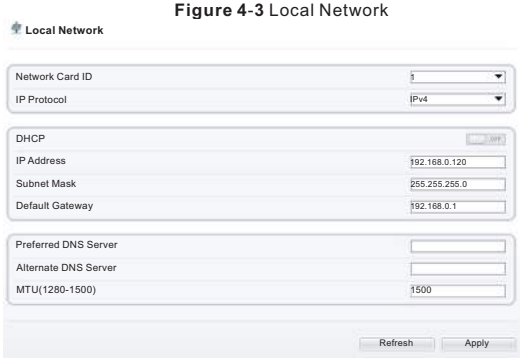
4.2 Modify IP address

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 4-3.

After the IP address is set successfully, please use the new IP address to login the Web interface.

Figure 4-3 Local Network

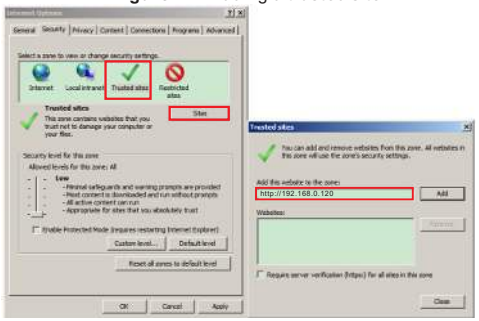


4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you login the web for the first time:

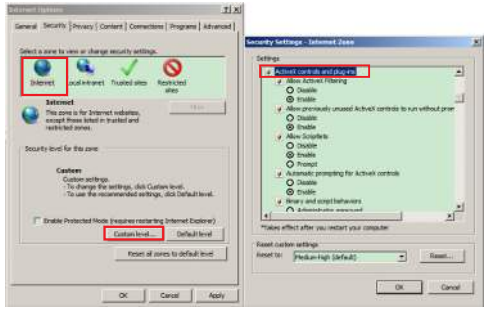
Step 1 The Internet Explorer. **Choose Tools** > **Internet options** > **Security** > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-4.

Figure 4-4 Adding a trusted site



Step 2 In the Internet Explorer, choose **Tool** > **Internet Options** > **Security** > **Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to enable**, as shown in figure 4-5.

Figure 4-5 Configuring ActiveX control and plug-in



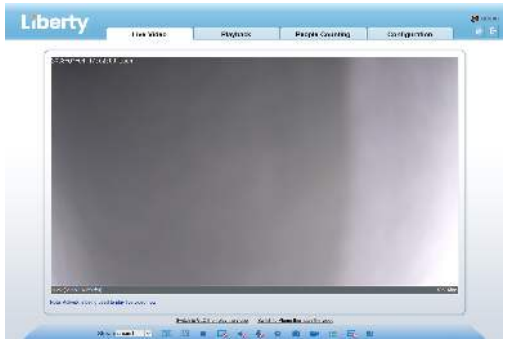
Step 3 Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control , please ignore the prompt, and continue the installation, close the Web page during installing. Then login the page again.

To browse a real-time video, login the device and click **Live Video**. The Live Video page is displayed, as shown in figure 4-6.

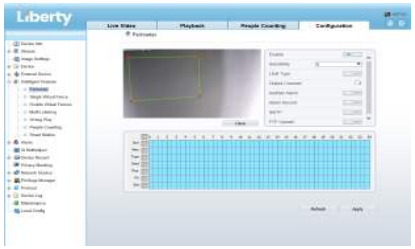
Figure 4-6 Live Video



4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, as shown in figure 4-7 .

Figure 4-7 Intelligent Analysis



4.5Alarm Configuration

NOTE

Partial camera do not support alarm, this section do not apply.

Alarm input and Alarm output connection:

Step1 Connect alarm input device to Alarm IN0 and Alarm COM0 of multi-head cable.

Step2 Connect alarm output device to Alarm OUT1 and Alarm COM1 of multi-head cable, alarm output interface can connect to normal open device only.

Step3 Log in Web, Choose **Configuration> Alarm > Alarm output**, set the parameters as shown in figure 4-8.

Step4 Choose **Configuration > Alarm > I/O Alarm Linkage** , enable the I/O Alarm and set the parameters of Schedule Setting.

Figure 4-8 Alarm

Supplier's Declaration of Conformity

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information Unique Identifier: L3IP4VFBS, L3IP8VFBS

Responsible Party – U.S. Contact Information: Liberty Wire & Cable, Inc.
1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 855.388.7422

Warranty: The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for a period of three (3) years from the original invoice date.

Liberty

L3IP4VFDS L3IP4DS L3IP4DS4
L3IP8VFDS L3IP8DS L3IP8DS4

Quick Guide

Liberty Liberty Wire & Cable, Inc. 1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 — 855.388.7422 — www.libertyonline.com

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.

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.

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
Vandal Dome Network Camera	1	
Quick Setup Guide	1	
T15 Screw driver	1	Large Dome
T10 Screw driver	1	Mini Dome
Installation location sticker	1	
Stainless self-tapping screw	3	
Swell plastic button	3	
Network access port protective cover	1	
Waterproof rubber seal	1	
Terminal block	1	Optional
Phillips stainless screw (install on bracket)	3	

2 Device Structure

2.1 Device Ports

NOTE

Len adjustment is only applied for large dome.

Figure 2-1 Lens adjustment

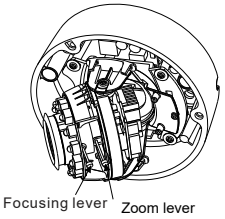


Table 2-1 Lens adjustment description

Port Name	Description
Focusing lever	Adjust the focus of lens, the default status is lock.
Zoom lever	Adjust the lens focal length, the default status is lock.

Figure2-2 Multi-head cable

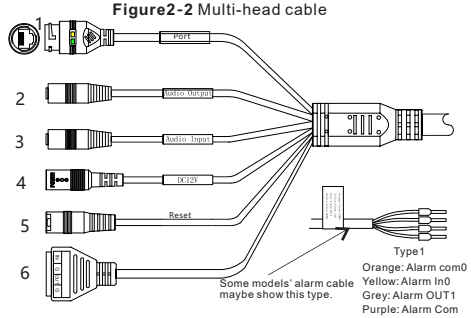


Table 2-2 Multi-head cable description

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 actual product.	Support PoE supply.
2	Audio output	Connects to an external audio device such as a speaker.	Applied for camera with audio function
3	Audio input port	Receives an analog audio signal from devices such as a sound pickup device.	
4	Reset botton	Long press the reset button 5 seconds to restore the original settings.	
5	Power supply (DC 12V)	Connects to a 12V direct current (DC) power supply.	
6	G	Alarm output COM	Applied for alarm function
	OUT	Alarm output terminal	
	G	Alarm input COM	
	IN	Alarm input terminal	

2.2 Camera Dimensions

NOTE

Different device may have different dimensions, please refer to the actual product.

Figure 2-3 Dimensions of Mimi Dome (Unit:mm)

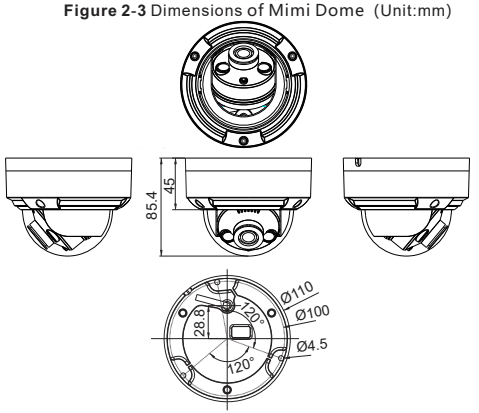
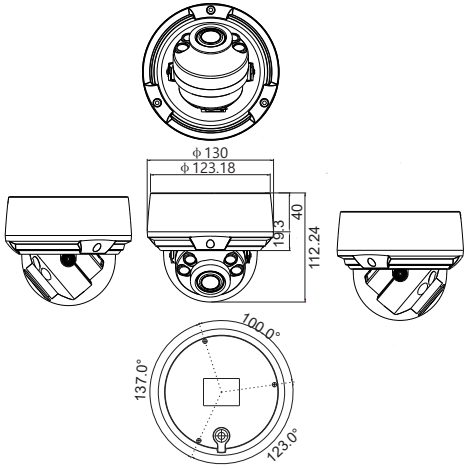


Figure 2-4 Dimensions of Large Dome(Unit:mm)



3 Device Installation

WARNING

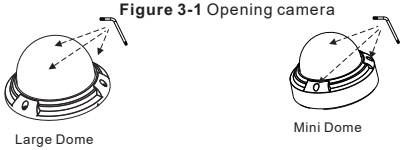
To avoid moisture influence, install the dome cover at least half an hour after the camera is installed and powered on.

The vandal dome camera can be installed in the ceiling , wall , wall bracket or ceiling bracket. This section describes how to install the camera in the ceiling.

Installation Steps:

Step 1 Use the T screw driver in the accessory package to unscrew the three screws on the dome cover. The camera is opened, as shown in figure 3-1.

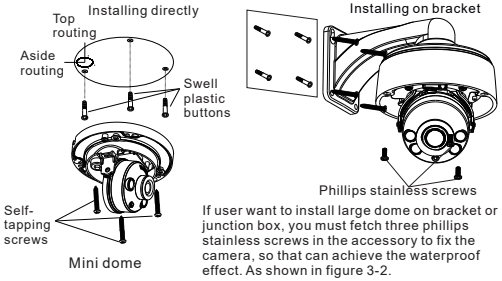
Figure 3-1 Opening camera



Step 2 Stick the Installation location sticker on the ceiling or wall, Drill three holes based on the marks on the sticker. Drive the swell plastic buttons into the holes.

Step 3 Fetch three black self-tapping screws from the accessory package. Then fix the screws to fasten the camera on the ceiling as shown in figure 3-2.

Figure 3-2 Installing housing



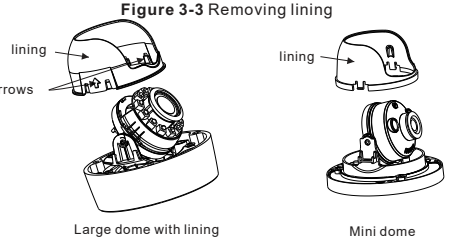
If user want to install large dome on bracket or junction box, you must fetch three phillips stainless screws in the accessory to fix the camera, so that can achieve the waterproof effect. As shown in figure 3-2.

Step 4 Connect the network access port and power supply of the multi-head cable.

Step 5 Adjust the lens focal length and video angle range.

1.Press the arrows marked on the lining to remove the lining aside, as shown in figure 3-3.

Figure 3-3 Removing lining



2.View the video, loosen the slotted screw slightly as shown in figure 3-4 & figure 3-5, make camera's triaxial adjustments, adjust the screen to the scene you want to monitor, and then tighten the screws. Three-axis adjustment direction and angle are shown in figure 3-4 and figure 3-5.

Figure 3-4 Three-axis adjustment

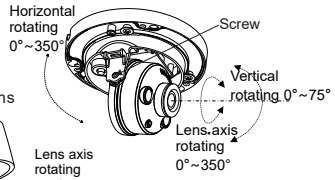


Figure 3-5 Adjusting lens

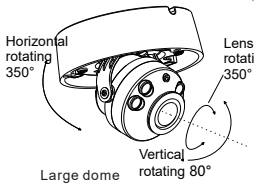
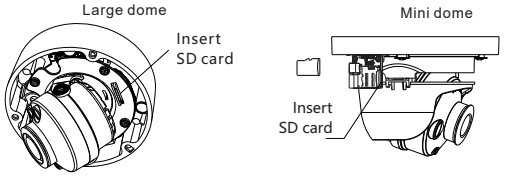


Figure 3-6 Installing SD card



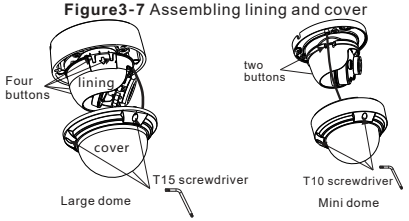
Step 6 Once the scene is set the auto focus lens can be set to the desired zoom level via a test monitor, recorders PTZ interface, or via cameras browser software. Once the zoom level is set the lens will auto-focus for a clear picture.

NOTE

- Some models maybe not operate so much steps, please refer to actual product.
- While focusing lever is in the process of focusing, an image might be blur, move the zoom lever to fine-tune the image, when image is clear, lock the zoom lever.
- If the lens of camera is auto focus lens, set the focus value in Sensor > Lens control page in the web page.

Step 7 Assemble the lining with the main body and buckle the four button placements with the main body bracket. Aim the two screws hole with boss at the groove on the main body. Then fasten the dome cover , as shown in figure 3-6.

Figure3-7 Assembling lining and cover



4 Quick Configuration(e.g IE)

4.1 Login

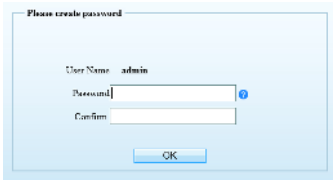
Open the Internet Explorer, enter the IP address of IP camera (DHCP is on by default) in the address box, and press Enter. The login page is displayed. as shown in figure 4-1 .

Figure 4-1 Login

NOTE

- There is no default password for the camera. User needs to create a new password when login for the first time. Shown in figure 4-2.

Figure 4-2 Create password



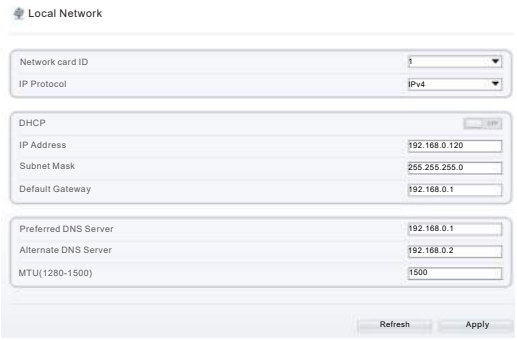
4.2 Modify IP address

Choose **Configuration > Device > Local Network**, the **Local Network** page is displayed.

Enter the IP address in the IP Address box and click **Apply** as shown in figure 4-3.

After the IP address is set successfully, please use the new IP address to log in the Web interface.

Figure 4-3 Local Network

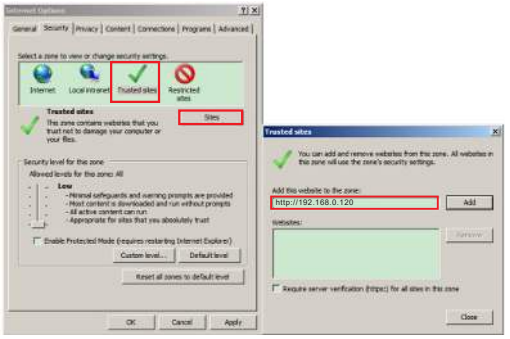


4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you log in the web for the first time:

Step 1 the Internet Explorer. **Choose Tools > Internet options > Security > Trusted sites > Sites**, in the display dialog box, click **Add**, as shown in figure 4-4

Figure 4-4 Adding a trusted site



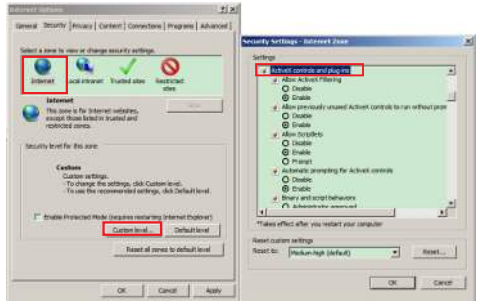
Step 2 In the Internet Explorer, choose **Tool > Internet Options > Security > Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to Enable**, as shown in figure 4-5.

Step 3 Download and install the player control as prompted.

NOTE

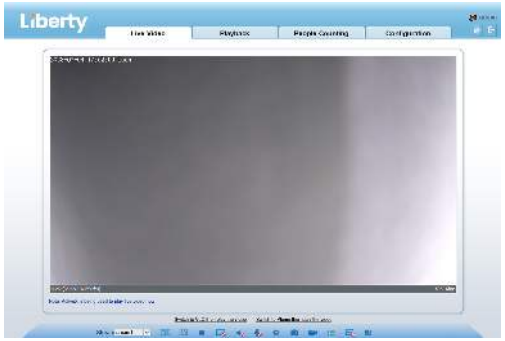
If the repair tips displayed when installing the control , please ignore the prompt, and continue the installation, the login page is displayed when the control is loaded.

Figure 4-5 Configuring ActiveX control and plug-in



To browse a real-time video, click Live Video. The Live Video page is displayed, as shown in figure 4-6.

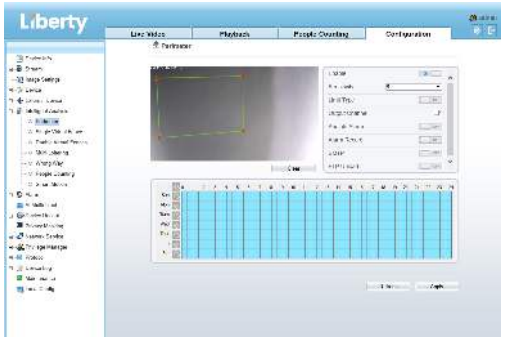
Figure 4-6 Live Video



4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, as shown in figure 4-7 .

Figure 4-7 Intelligent Analysis



Supplier's Declaration of Conformity

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information Unique Identifier:
L3IP4VFDS L3IP4DS L3IP4DS4 L3IP8VFDS L3IP8DS L3IP8DS4

Responsible Party – U.S. Contact Information: Liberty Wire & Cable, Inc.
1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 855.388.7422

Warranty: The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for a period of three (3) years from the original invoice date.

Liberty

L3IP8TFCS

Quick Guide

Liberty Liberty Wire & Cable, Inc. 1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 — 855.388.7422 — www.libertyonline.com

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.
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NOTE	It provides additional information.

WARNING

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- 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.
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NOTE

For more information, please refer to website.

Supplier's Declaration of Conformity

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information Unique Identifier: L3IP4VFDS L3IP8TFCS

Responsible Party – U.S. Contact Information: Liberty Wire & Cable, Inc.
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Warranty: The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for a period of three (3) years from the original invoice date.

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
Eyeball Network Camera	1	
Quick Setup Guide	1	
Accessory package	1	
Location sticker	1	

2 Device Structure

2.1 Device Ports

NOTE

Different devices may have different ports, multi-head cables, and fill lights; Please refer to the actual product.

Figure 2-1 Hardware ports

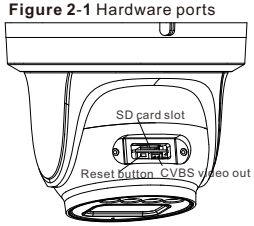


Table 2-1 Hardware ports description

ID	Port Name	Description
1	SD card slot	Install a SD card. NOTE • Before installing a SD card, make sure the card not in write protection state. • Before removing the SD card. make sure the card not in write protection state. Otherwise, the data may be lost ,or the SD card may be damaged.
2	CVBS video out	Output an analog video signal. You can connect the camera to a TV monitor through this port to view the analog video.
3	Reset button	Long press the reset button for 5s to restore the original settings.

Fill light settings
Camera's fill light has four modes, they are intelligent dual light (current fill light will switch to warm light after an alarm is triggered, and will switch back to the original fill light for 30s after the alert is released.), warm light, infrared lamp and none (Close the fill light and the color of image will stay in previous mode).

The different cameras can be set different fill light modes, please set fill light modes according to the actual scene.

Day mode: It can be used in the scene with sufficient ambient light for 24 hours, do not turn on the fill light, and the image is in color.
Night mode: it can be used in the scene where there is insufficient ambient light for 24 hours, turn on the fill light (it can be selected according to the four modes of the fill light).
Auto mode: Automatically switch the fill light mode 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.

Figure 2-2 Multi-head cable 2

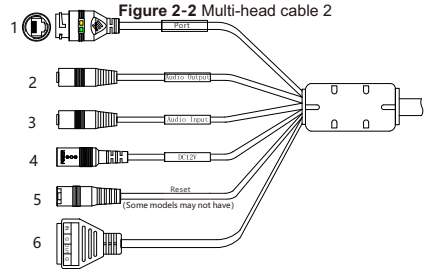


Table 2-2 Multi-head cable 2 description

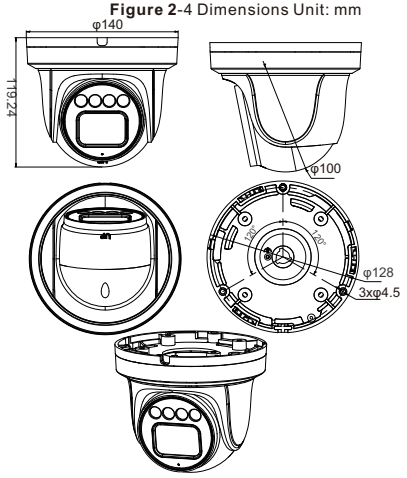
ID	Core	Description	Remark
1	Network access interface	Connect to a standard Ethernet cable or PoE. The green light is on, the network connection is normal; The yellow light flashes when the data is transmitted. Some models maybe not have the lights; Please refer to the actual product.	Support PoE supply.
2	Audio output	Connect to an external audio device such as a speaker.	Applied for camera with audio function
3	Audio input port	Receive an analog audio signal from devices such as a sound pickup device.	
4	Power supply (DC 12V)	Connect to a 12V direct current (DC) power supply.	
5	Reset button	Long press the reset button for 5s to restore the original settings.	Applied for some models
6	G	Alarm output COM	Applied for alarm function
	OUT	Alarm output	
	G	Alarm input COM	
	IN	Alarm input	

2.2 Camera Dimensions

NOTE

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

Figure 2-4 Dimensions Unit: mm



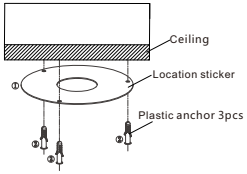
3 Device Installation

Installation Steps:

Step 1 Open the package, take out the camera, and disassemble camera's base.

Step 2 Stick the installation location sticker on the ceiling or wall, drill three holes following the marks on the sticker. Push the plastic anchors into the holes, as shown in figure 3-1.

Figure 3-1 Drill holes

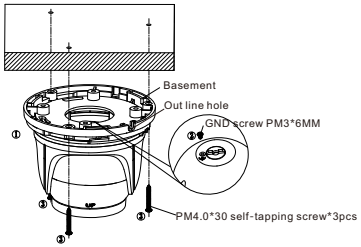


Step 3 Fix the camera mounting base to the ceiling (or wall) by using self-tapping screws.

Step 4 Connected the multi-connector cable. If user want the device be connect to GND, plug ground wire to the GND screw and tighten it, the location of GND as show in figure.

Step 5 Fix the eyeball to base , as shown in figure 3-2.

Figure 3-2 Camera installation

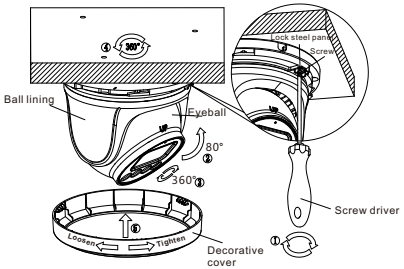


NOTE

You can route cables from the top or from side. If you use the top routing method, drill a hole in the installation surface first. If you use the side routing method, please cut the compression ring outlet as shown in figure 3-2, and route the multi-head cable out from the side gap at the bottom of the camera.

Step 6 Rotate the main body, adjust the position so that the camera faces the monitored area, then tighten the lock steel panel with screws and fix the camera, as shown in figure 3-3.

Figure 3-3 camera installation



NOTE

The camera's monitoring angle can be adjusted by three-axis rotation: Horizontal rotation, up and down rotation, axial rotation of the lens, adjust the direction of the camera and aim the lens at the target.

1 Use a Phillips screwdriver to loosen the screw which locks the steel panel;

2 The hemisphere can rotate up and down range of 0 to 80°;

3 the hemisphere can rotate left and right range of 0 to 360° ;

4 The ball lining can rotate 360° left and right;

5 After adjusting the angle, tighten the screws on the steel panel, then install the decorative cover to the base along the direction as shown in Figure 3-3.

4 Quick Configuration(e.g IE)

4.1 Login

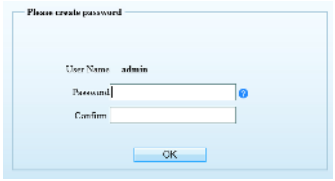
Open the Internet Explorer, enter the IP address of IP camera (DHCP is on by default) in the address box, and press Enter. The login page is displayed. as shown in figure 4-1 .

Figure 4-1 Login

NOTE

- There is no default password for the camera. User needs to create a new password when login for the first time. Shown in figure 4-2

Figure 4-2 Create password



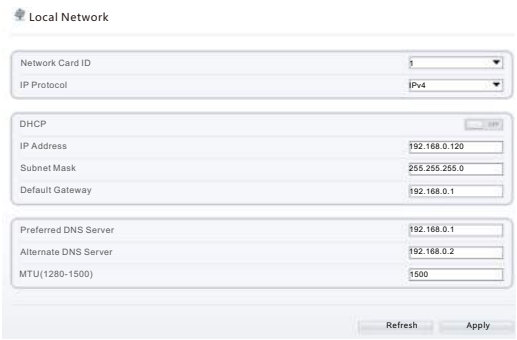
4.2 Modify IP address

Choose **Configuration > Device > Local Network**, the **Local Network** page is displayed.

Enter the IP address in the IP Address box and click **Apply** as shown in figure 4-2.

After the IP address is sett successfully, please use the new IP address to log in the Web interface.

Figure 4-2 Local Network



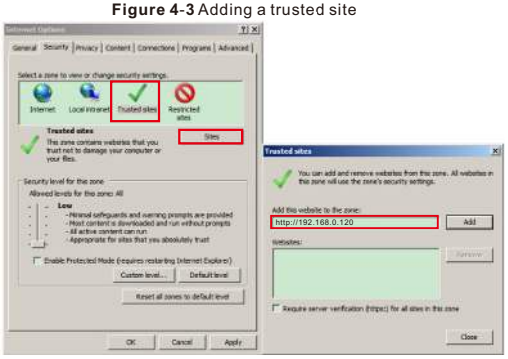
4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you log in the web for the first time:

If user can access the web immediately, please ignore the steps of adding trusted sites.

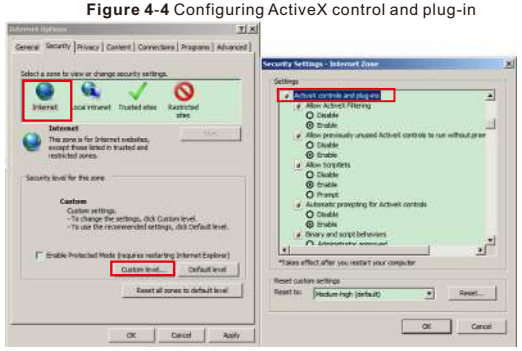
Step 1 the Internet Explorer. **Choose Tools > Internet options > Security > Trusted sites > Sites**, in the display dialog box, click **Add**, as shown in figure 4-3.

Figure 4-3 Adding a trusted site



Step 2 In the Internet Explorer, choose **Tool > Internet Options > Security > Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to Enable**, as shown in figure 4-4.

Figure 4-4 Configuring ActiveX control and plug-in



Step 3 Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control, please ignore the prompt, and continue the installation, the login page is displayed when the control is loaded.

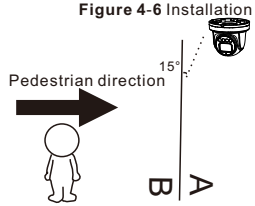
To browse a real-time video, click Live Video. The Live Video page is displayed, as shown in figure 4-5.

Figure 4-5 Live Video

1 Personnel Count: User can query the data of personnel count, through year, month, day. The statistics can be dowloaded. The data can be shown by line chart, histogram, list.

2 AI Live video: Click the icon to view the snapshots of human face or license plate (click "Face" or "Plate" to switch).
The bottom page will show the captured images of vehicle and human .

Figure 4-6 Installation of personnel count



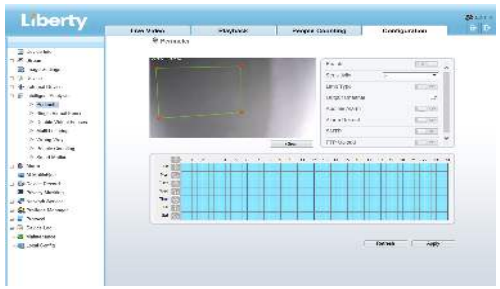
CAUTION

If user requires higher accuracy of personnel count, we recommend the user to install camera and draw the line following as figure 4-6.

4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, Multi Loiter, Converse and Personnel Count, as shown in figure 4-7 .

Figure 4-7 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 4-8.

Figure 4-8 AI Multi-object

NOTE

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

Liberty

L3IP8WS

Quick Guide

Liberty Liberty Wire & Cable, Inc. 1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 — 855.388.7422 — www.libertyonline.com

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.

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.

Supplier's Declaration of Conformity

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information Unique Identifier: L3IP8WS

Responsible Party – U.S. Contact Information: Liberty Wire & Cable, Inc.
1490 Garden of the Gods Rd, Ste F Colorado Springs, CO 80907 855.388.7422

Warranty: The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for a period of three (3) years from the original invoice date.

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 Dome Network Camera	1	
Quick Setup Guide	1	
L hexagonal wrench 80×25mm	1	
Installation location sticker	1	
Stainless self-tapping screw PA 4.0×30mm	2	
Swell plastic button φ5.6×29mm	2	

2 Device Structure

2.1 Device Ports

NOTE

Different devices may have different device ports, please refer to the actual product.

Figure 2-1 Device ports

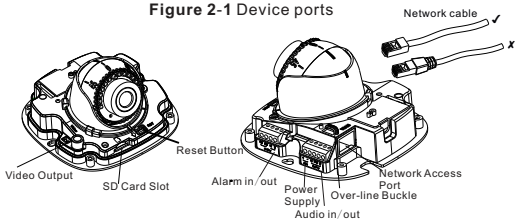


Table 2-1 Interface of camera

Port name	Description		Remark
Video Output	Analog video output		
SD card slot	Insert SD card		
Reset button	Restore the camera to the factory settings by pressing and holding this button for more than five seconds.		
4 PIN terminal block (applied for alarm function)	OA	Alarm out A	Applied for inner line dome camera
	OB	Alarm out B	
	IN	Alarm in	
	G	Ground	
5 PIN terminal block (applied for audio function and power)	+	12V Positive	
	−	12V Negative	
	Audio in	Receive an analog audio signal from devices such as a sound pickup device.	
	Audio out	Connect to an external audio device such as a speaker.	
	G	Ground	
Over-line buckle	Fixed the internal line of device.		
Network access port	Connect to a standard Ethernet cable.		

NOTE

Different devices may have different device ports, please refer to the actual product.

Figure2-2 Multi-head cable

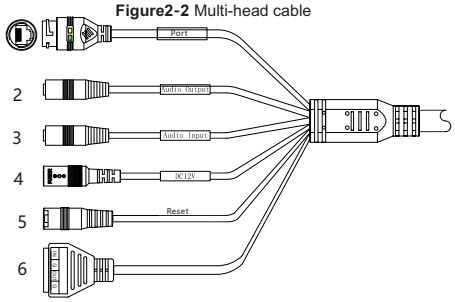


Table 2-2 Multi-head cable description

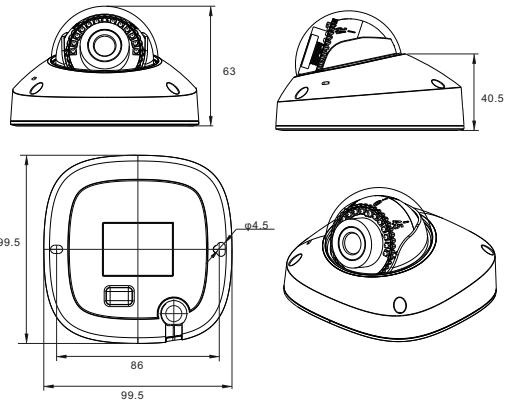
ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE . The green light is on, the network connection is normal; the yellow light flashes when the data is transmitted. Some models maybe not have the lights, please refer to actual product.	Support PoE supply.
2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

2.2 Camera Dimensions

NOTE

Different devices may have different dimensions, please refer to the actual product.

Figure 2-3 Dimensions of Dome(Unit:mm)



3 Device Installation

WARNING

To avoid moisture influence, install the dome cover at least half an hour after the camera is installed and powered on.

The mini dome camera can be installed in the ceiling , wall, wall bracket or ceiling bracket. This section describes how to install the camera in the ceiling.

Installation Steps:

Step 1 Stick the Installation location sticker which is in accessory package on the ceiling or wall, Drill two holes based on the marks on the sticker. Drive the swell plastic buttons into the holes.

Step 2 Use the wrench in the accessory package to unscrew the four screws on the dome cover. The camera is opened, as shown in figure 3-1.

Figure 3-1 Opening camera

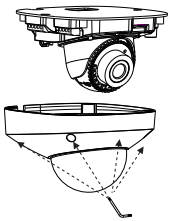
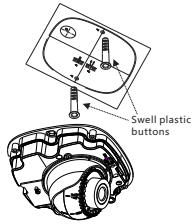


Figure 3-2 Installing camera



Step 3 Fetch two black self-tapping screws from the accessory package. Then fix the screws to fasten the camera on the ceiling as shown in figure 3-2.

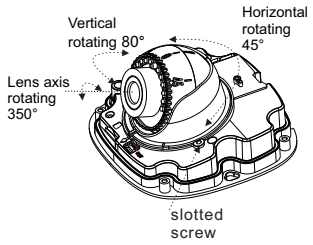
Step 4 Connect the network access port and power supply of the multi-head cable.(the inner -line cameras need to fasten all lines to correspond terminal as shown in figure 2-1)

NOTE

- There are two outlet mode of cable, for the top outlet mode, user should drill the hole at first for threading cable.
- The side outlet mode that the installation sticker's gap should align the outlet rubber stopper.

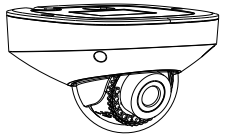
Step 6 Connect the camera to monitor , loosen the screws of support frame, as shown in figure 3-3. Adjust the three axes to focus image on monitoring scenarios. Tighten the screws to finish adjustment.

Figure 3-3 Adjusting lens



Step 7 (Arrange the cable of camera to over-line buckle, if the type of camera is inner-line), then assemble the dome cover with hex wrench, as shown in figure 3-4.

Figure 3-4 Assembling cover



4 Quick Configuration(e.g IE)

4.1 Login

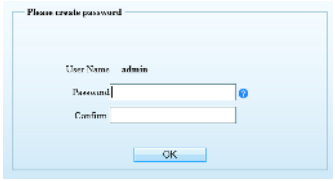
Open the Internet Explorer, enter the IP address of IP camera (DHCP is on by default) in the address box, and press Enter. The login page is displayed. as shown in figure 4-1 .

Figure 4-1 Login

NOTE

- There is no default password for the camera. User needs to create a new password when login for the first time. Shown in figure 4-2

Figure 4-2 Create password



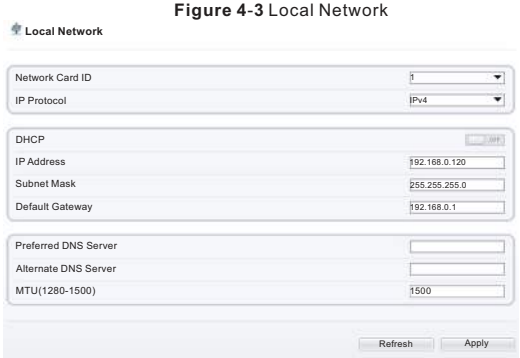
4.2 Modify IP address

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 4-3.

After the IP address is set successfully, please use the new IP address to login the Web interface.

Figure 4-3 Local Network

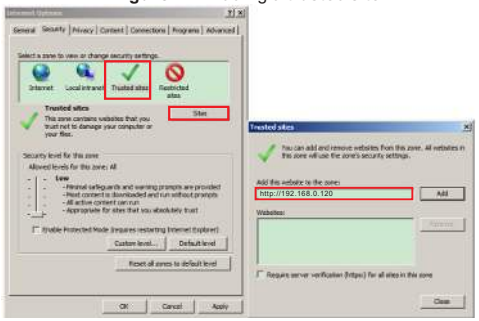


4.3 Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you login the web for the first time:

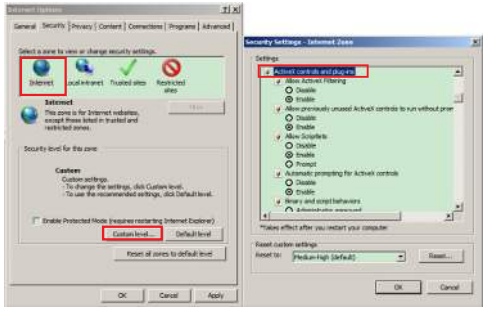
Step 1 The Internet Explorer. **Choose Tools** > **Internet options** > **Security** > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-4.

Figure 4-4 Adding a trusted site



Step 2 In the Internet Explorer, choose **Tool** > **Internet Options** > **Security** > **Customer level**, and set **Download unsigned ActiveX control** and **initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to enable**, as shown in figure 4-5.

Figure 4-5 Configuring ActiveX control and plug-in



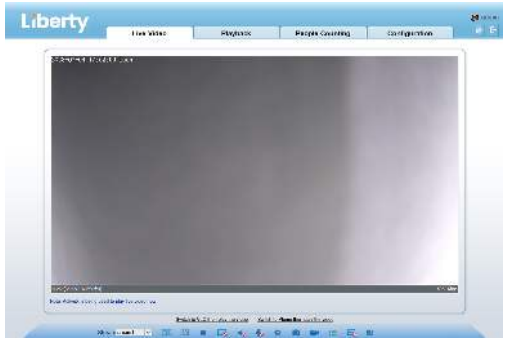
Step 3 Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control , please ignore the prompt, and continue the installation, close the Web page during installing. Then login the page again.

To browse a real-time video, login the device and click **Live Video**. The Live Video page is displayed, as shown in figure 4-6.

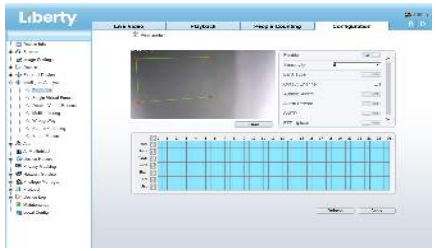
Figure 4-6 Live Video



4.4 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, as shown in figure 4-7 .

Figure 4-7 Intelligent Analysis



4.5Alarm Configuration

NOTE

Partial camera do not support alarm, this section do not apply.

Alarm input and Alarm output connection:

Step1 Connect alarm input device to Alarm IN0 and Alarm COM0 of multi-head cable.

Step2 Connect alarm output device to Alarm OUT1 and Alarm COM1 of multi-head cable, alarm output interface can connect to normal open device only.

Step3 Log in Web, Choose **Configuration> Alarm > Alarm output**, set the parameters as shown in figure 4-8.

Step4 Choose **Configuration > Alarm > I/O Alarm Linkage** , enable the I/O Alarm and set the parameters of Schedule Setting.

Figure 4-8 Alarm