

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.

A 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.

- · 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.

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		

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

П	D	Core	Description	Remark	
	1	Network access port access port Network access port access port 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	
З	3	Audio input port	Receives an analog audio signal from devices such as a sound pickup device.		
4	4	Reset button	Long press the reset button 5 seconds to restore the original settings.		
ť	5	Power supply (DC 12V)	supply Connects to a 12V direct current (DC) power supply.		
6	6 G Alarm output COM		Alarm output COM	Applied for	
		OUT	Alarm output terminal	function	
		G	Alarm input COM		
	IN Alarm input terminal				

Figure 2-4 Dimensions (Unit: mm) 112.2 187.6

Different devices may have different dimensions, please

2.2 Camera Dimensions

refer to the actual product.

NOTE



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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.

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

🗥 warning

Liberty

- · 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

L3IP4BS L3IP8BS

Quick Guide

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



Please create password	
User Name admin	
Pressand	0
Canfirm	
OK	

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

Internet Local Intranet Thus	ted alter Restricted		
Trested sites	Ster		
The sine carbone vebaltes trust net to damage your of	nputer or	reated ates	
Security level for this save		Asu can abl and remove websites from the core's security in	n this zone. All vertibilities ethnologi.
Alloved levels for this zones All		8	
Lew /Renal infeguards)	nd wering promote are provided	Add this activity to the sone:	
- Basef contact to this	sibaded and run initiaut prompts	http://192.168.0.120	A63
- All active content on	STML.		
- All active content to - Appropriate for sites	that you also hely tout	WZDONEL	
- All active content on F - According for stee IT style Protected Made Irea	itter vou ekoolutely tourt wes restarting (internet trapbren)		
- All active content on Appropriate for shee	thet you absolutely tourt area estarting tradient (topfaret) tour land	without a second	Amm

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

Dievet proletoret	I fuelelates Rest	Noted	4 6.00	R controls and playing loss Actives Filtering]	4
	E 1993322 19	85		D Castle		
Internet	CARLON CO.	1940	4.0	low previously unused Act	veX controls to run v	about prov
encept Press betati r	that fail and		(Duality:		
Featbicked pones.				9 Enable		
			1 2	D Distance		
Source on the tell				truble .		
Centere				Prompt		
Custor sellers			4.0	Chamble: prompting for AC	tively constrolle	
- Tie drange \$1 To use the se	e terlingsi, chili Custare i	even.		Divide		
				rary and constitutioners.		
T and a second			4	1 Identiduates associated	1	20
E Drabe Prosicies Hos	a befores upon ad to	sense closerer)	Takes eff	ect after you restart your	comparter:	1967
	Castan level	Defaulterel	. Treed to other			
	Deset al meres	to default inter	August Tal	Sector Los Los Antonio	-	Course of the
				Petrantal Seturity		

Step 3 Download and install the player control as prompted.

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 Ala	rm	۱
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Manual Control	Start	Stop	
Timing Alarm Output		1220	
Narm Time(ms)(0:Continuous)	0	D	
Alarm Output Mode	Sw	itch Mode	
Valid Signal	Clo	ise	
Name			
Alarm Output	[1		

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.

Libertv

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.

A 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 iam 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 moistureproof 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.

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information will be added to new versions of this manual without prior notice.

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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

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	

ID	Core	Function	Description
	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 power for device and
	Black core	supply	heater.
7	N/A	Grounding wire	-
8	Yellow	RS485-	Connects an external Pan
	Green	RS485+	Tilt∠oom (PTZ).

2.2 Camera Dimensions

NOTE

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

Figure 2-2 Dimensions Unit:mm



Table 2-1 Multi-head cable description

ID	Core	Function	Description
1	Brown	Alarm output channel 1	Alarm input and alarm
	Brown/ Black	Alarm output channel 1 common terminal	output channels.
	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	

Ouick Guide

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

L3IP4PTZ30XS

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.

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

M 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

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	

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



Installation Steps:

Step 1 Please make the mark based on bracket dimensions for drilling the hole. Drill four ϕ 8 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.



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

User Name	admin			
Pressund			0	
Confirm				
		ок		

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 pluq-ins to Enable, as shown in figure 4-5.

General Tenanty [Arrans] Cettaut Convectors P	(besseef)	
Subict a prior to charge security sector settings	Stere	
 In our real to descept your computer or your files. You have vehictes in the same. Security jevel for the core 	Trusted plan	removes we bolies from this more. All we have been a security settings
event of the transfer build of the fully set of the set of th	Touties and an add and the set of	recurst vetables from the zone. All veta the zone's security settings. one

Figure 4-4 Adding a trusted site

Figure 4-5 Configuring ActiveX control and plug-in

	1 0	5400021			
	VO	2.00	ward controls and plug-ane		
Diferent Local Info	and Trasled alles Restricted		Allow prevenatly unused richer O Double	el controls to san without	pror
Internet			Instie		101
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escept those felts	die trated and		O Deable		
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		1	Street conserve street	Content received in the Wa	
	Cattor house Default fo	Taket I	Hing after you relast Streeter	e Ophrai	
	Long and the second sec	Reset cut	con settings		

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.

- 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

	Live Video	Playback	Configuration	
	Camera Maintanar	xe .		
E Dento Infe				
e Billand	Bonet:			0
- 0 Date Sittan	CALCON.			
- B SAC Stream	(Apamére :		Panet see it grante to a	
i Reality	C.			
+ D Deta	Theorem #1 cattern			100171
+ + famout limits				
· · ·	Personal Lances of California California	1		9
D /4emi				
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Privacy Munking				
+ Ø Network Service				
🛨 🏭 /Volkye Harapsi				
e 📓 Pystood				
- Sit States Log				
- 23 Maintenance				
Cacal Davie				

Click *, the message"Are you sure to restart?" is displayed, then click "Confirm", the device is restarted successfully five minutes later.

Click 3, the message "Are you sure to restore default settings?" is displayed, then click "Confirm", the device is restored to the factory settings.

A CAUTION

After you click ③ ,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.

L3IP4TS L3IP4TS4 L3PI4TFCS L3IP8TS L3IP8TS4

Ouick Guide

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Precautions

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- · 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.

- · 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 moistureproof measures to avoid circuit board corrosion that can affect monitoring.

• All complete products sold by the manufacturer are delivered

· The manufacturer will update this manual according to product

 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,

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For more information, please refer to website

consistency, see the actual 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

for counterfeit products.

prior notice.

NOTE

along with nameplates, quick setup guide and accessories after

strict inspection. The manufacturer shall not be held responsible

· 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.

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 G	Quantity	Remark
Eyeball Network Camera	1	
Quick Setup Guide	1	
Accessory package	1	
Location sticker	1	

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.

Reset button CVBS video out SD card slot

Table 2-1 Hardware interfaces description

	ID	Port Name	Description	
	1	SD card slot	Install a SD card.	
			NOTE 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.

1			Table 2-2 Multi-head cable description	on
	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
	3	Audio input port	Receives an analog audio signal from devices such as a sound pickup device.	audio function
	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.	
		G	Alarm output COM	Applied for
	6	OUT	Alarm output	alarm
		G	Alarm input COM	
		IN	Alarm input	1

2.2 Camera Dimensions

NOTE

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







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.





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.

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

n 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

0 0 1 0	
atas	
Trusted siles Ster	Processies III
Trust net to damage your computer or your flee.	Treated step 2
	/ Trau can abiliand remove websites from the pare. All websites in
Security level for this same	It is sore of use the sore's security settings.
Aliyed levels for the avec, Al	
Hinanal safeguards and owning prantits are provided	Add this website to the solve:
- Plast content is diavisibled and run without prompts - All active content can run	http://192.168.0.120
- Accordinate for sites that you also have built	Waboltes:
(** Rivelae Rome and Node Responses restarting Internet Routers)	- Canada
Control Inst. Default Inst.	
Reset all annos to dofault level	
	Require server verification 3rtps:) for all sites in this poor

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



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 Alarr
Alarm Output		

Manual Control	Start Stop
Timing Alarm Output	1.18
Alarm Time(ms)(0:Continuous)	p
Alarm Output Mode	Switch Mode
Valid Signal	Close
Name	
Alarm Output	1

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) vears from the original invoice date.



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

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.

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

\land 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.

A 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 Announcemer

- 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 80*25/54*18mm	1/1	
Stainless self-tapping screwPA4.0x30mm	4	
Swell plastic button q5.6x29mm	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.





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.	
Ī	2	Audio output	Connects to an external audio device such as a speaker.	Applied for camera with	
	3	Audio input port	Receives an analog audio signal from devices such as a sound pickup device.	audio function	
	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	
		OUT	Alarm output terminal	function	
		G	Alarm input COM		
		IN	Alarm input terminal		

2.2 Camera Dimensions

III NOTE

- Different devices may have different dimensions, please refer to the actual product.
 - Figure 2-2 Dimensions (Unit: mm)





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

Different devices may have different method of installing SD



card, please refer to the actual product.

NOTE

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





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



Network Card ID	1	
IP Protocol	Pv4	
DHCP	1	
IP Address	192.168.0.120	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.0.1	
Preferred DNS Server		
Alternate DNS Server		
MTU(1280-1500)	1500	

Refresh Apply

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

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Instead after	
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	/ hau can add and remove websites from this zone. All websit
Aliyed levels for the sole; Al	The some we use the sovers security settings.
1000	Add this activity to the pare:
Plant concert to disvokaded and run softwarphones All active concerts	http://192.168.0.120 Add
- Acceroprishe for sites that you also have tout	Wabaltess
IT struble Protected Made (resures restarting Internet Strukrer)	Paren
Custore level Default level	
Erect of course to defect least	

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

	× .	0		teek controls and plug-ins	22	-
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				A desired also assured	H	
Enable Protected N	lode (requires restarts	ing Internet Explorer)	*Takes e	met after you restart yo	a compatier	-
	Californi (Colta-	United Inter	Renet Car	tore settings		
	Reset of a	ores to default in el	Average to a	Person line State At	-	Rent.
				farmente the second		

Step 3 Download and install the player control as prompted.

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

Rlarm Outpu

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

JIOPT	choose comgaration? Alarm? No Alarm Elinage,
	enable the I/O Alarm and set the parameters of Schedule
	Setting.

Figure	4-8 Alarm
--------	-----------

Manual Control	Start	Stop
Timing Alarm Output		1
Narm Time(ms)(0:Continuous)	D	
Narm Output Mode	Switc	h Mode
/alid Signal	Close	
Name		
Alarm Output	1	

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.

101-090-0155-01



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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.

- · 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 anart
- 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 moistureproof measures to avoid circuit board corrosion that can affect monitoring
- · Remove the power plug if the device is idle for a long time.

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	

Device Structure

2.1 Device Ports

NOTE

Len adjustment is only applied for large dome.

Figure 2-1 Lens adjustment



Focusing lever Zoom leve

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 Type1 Orange: Alarm com Some models' alarm cable Yellow: Alarm In0 maybe show this type. Grey: Alarm OUT1

Purple: Alarm Com

Table 2-2 Multi-head cable description

	140	e z-z Multi-ficad cabie description	1
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
3	Audio input port	Receives an analog audio signal from devices such as a sound pickup device.	function
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
-	OUT	Alarm output terminal	function
	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)



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L3IP4VFDS L3IP4DS L3IP4DS4

L3IP8VFDS L3IP8DS L3IP8DS4

Ouick Guide

Precautions

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

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

M 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

- 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
- 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,
- 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

prior notice.

the final interpretation of company is as a standard.

M 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.



- Large Dome
- 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.



- 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.



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.

LL 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.



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.

Please create passwur	4		
User Name	admin		
Passound		0	
Confirm			

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

🙅 Local Network

Network card ID	1
IP Protocol	IPv4
DHCP	
IP Address	192.168.0.120
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Preferred DNS Server	192.168.0.1
Alternate DNS Server	192.168.0.2
MTU(1280-1500)	1500

Refresh Apply

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.

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.

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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.

- · 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 anart
- 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 monitorina. · 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.

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L3IP8TFCS

Ouick Guide

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.

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

M 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

- All complete products sold by the manufacturer are delivered along with nameplates, guick 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: L3IP4VFDS L3IP8TFCS

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.

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	
	-	

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 2-2 Multi-head cable 2

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
3	Audio input port	Receive an analog audio signal from devices such as a sound pickup device.	function
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
	OUT	Alarm output	function
	G	Alarm input COM	
	IN	Alarm input	

Table 2-1 Hardware ports description

ID	PortName	Description
1	SD card slot	Install a SD card.
		III 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.

2.2 Camera Dimensions	
NOTE	

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

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.



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.



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



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



III 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

User Name a	fmm		
Pressund		0	
Confirm			

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

👻 Local Network

Network Card ID	
IP Protocol	IPv4
DHCP	6
IP Address	192.168.0.120
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Preferred DNS Server	192.168.0.1
Alternate DNS Server	192.168.0.2
MTU(1280-1500)	1500

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.

Select a pine to ver	or during wounty writings.	-		
		N		
		ates		
J the rate of	ortains weberies that you	9165	Common and and and and and and and and and an	
your files.	conside lans contrate of		Trustee stea	
Security level for t	tis zone		You can add and reme this surve will use the s	the extention from
Allowed levels for	the zone: All			
- - Low			Add this website to the zone:	
Ma	d content is slow fielded and ru	n without provints	http://192.168.0.120	
1 140	ectore convent can run repriate for sites first yes abox	sidely tract	Nester	
Fame		Technologie Barrison and		
1 shape from	Costore Incari	Defectional		
	Castally myseles	Date of the second second		

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



Stream abream 1 💌 🖽 🗮 📾 🔐 🐠 👘 🖉 📾 📾 📾 💷 🔽 🛄 2

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 Al 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.



4.4 Intelligent Analysis

Add

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.



4.5 Al Multi object

At "Configuration > Al 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 Al Multi-object

Face Detection	ON		Body Pixel Min(30-300)	30	
Fullbody Detection	00	î	Vehicle Pixel Min(30-300)	30	1
/ehicle Detection	ON		Image Matting Quality	Mid 🔻	1
Display Trace Info	OFF .	7	Snapshot Mode	Timing 💌]
Show Detection Area	1.00		Upload Image Interval(1-10s)	5	1
Confidence Coefficient	Mid	-	FTP Upload Image Matting	2.677	1
ace Pixel Min(30-300)	30		FTP Upload Whole Image	. Ret	1
Body Pixel Min(30-300)	30	×	Algorithms Library Version		~

🛄 NOTE

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

this device. Otherwise, the service life of the image sensor may be shortened. If this device is installed in places where thunder and lightning

requently occur, ground the device nearby to discharge high energy such as thunder strikes in order to prevent device damage.

A 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 moistureproof measures to avoid circuit board corrosion that can affect monitoring.
- · Remove the power plug if the device is idle for a long time.

Special Announcemen[:]

- 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. 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	2	

Device Structure

2.1 Device Ports

NOTE

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



Table 2-1 Interface of camera

Port name		Description	Remark
Video Output	Analog vid	eo output	
SD card slot	Insert SD o	ard	
Reset button	Restore th settings by button for r	e camera to the factory pressing and holding this nore than five seconds.	
4 PIN terminal	OA	Alarm out A	
block (applied for	ОВ	Alarm out B	1
alarm function)	IN	Alarm in	1
	G	Ground]
5 PIN terminal	+	12V Positive	
block (applied for	-	12V Negative	1
audio function and power)	Audio in	Receive an analog audio signal from devices such as a sound pickup device.	Applied for inner line dome
	Audio out	Connect to an external audio device such as a speaker.	camera
	G	Ground	
Over-line buckle	Fixed the	internal line of device.	
Network access port	Connect to cable.	a standard Ethernet	
0	•		

NOTE

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



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
3	Audio input port	Receives an analog audio signal from devices such as a sound pickup device.	audio function
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
	OUT	Alarm output terminal	function
	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)







Quick Guide

L3IP8WS

Liberty Liberty Wire & Cable, Inc. 1490 Garden of the Gods Rd, Ste F Colorado Springs, C0 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.

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

A 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

M 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.





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 3-4Assembling cover



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





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 2 Local Network

Network Card ID	1
IP Protocol	IPv4
DHCP	
IP Address	192.168.0.120
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Preferred DNS Server	
Alternate DNS Server	
MTU(1280-1500)	1500

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 Settina.

Figure 4-8 Alarm

Alarm Output

Manual Control	Start	Stop
Timing Alarm Output		1
Alarm Time(ms)(0:Continuous)	0	
Alarm Output Mode	Swite	h Mode
Valid Signal	Clos	
Name		
Alarm Output	1	

letwork Card ID	
P Protocol	