

# XL-ICA-206M2R User's manual



Version 3.5.0

### Welcome

Thank you for purchasing our IP camera!

This user's manual is designed to be a reference tool for your system.

Please read the following safeguard and warnings carefully before you use this series product!

Please keep this user's manual well for future reference!

### **Important Safeguards and Warnings**

#### 1. Electrical safety

All installation and operation here should conform to your local electrical safety codes.

The power shall conform to the requirement in the SELV (Safety Extra Low Voltage) and the Limited power source is rated 12V DC in the IEC60950-1.

We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.

We are not liable for any problems caused by unauthorized modification or attempted repair.

#### 2. Transportation security

Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.

#### 3 . Installation

Do not apply power to the camera before completing installation. Please install the proper power cut-off device during the installation connection. Always follow the instruction guide the manufacturer recommended.

#### 4 . Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers. We are not liable for any problems caused by unauthorized modifications or attempted repair.

#### 5. Environment

This series IP camera should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc.

Please keep it away from the electromagnetic radiation object and environment.

Please make sure the CCD (CMOS) component is out of the radiation of the laser beam device.

Otherwise it may result in CCD (CMOS) optical component damage.

Please keep the sound ventilation.

Do not allow the water and other liquid falling into the camera.

Thunder-proof device is recommended to be adopted to better prevent thunder.

The grounding holes of the product are recommended to be grounded to further enhance the reliability of the camera.

#### 6. Daily Maintenance

Please shut down the device and then unplug the power cable before you begin daily maintenance work.

Do not touch the CCD (CMOS) optic component. You can use the blower to clean the dust on the lens surface.

Always use the dry soft cloth to clean the device. If there is too much dust, please use the water to dilute the mild detergent first and then use it to clean the device. Finally use the dry cloth to clean the device.

Please put the dustproof cap to protect the CCD (CMOS) component when you do not use the camera.

#### 7. Accessories

Be sure to use all the accessories recommended by manufacturer.

Before installation, please open the package and check all the components are included. Contact your local retailer ASAP if something is broken in your package.

Accessory Name	Amount
IPC Unit	1
Accessories bag	1
Quick Start Guide	1
CD	1

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### 1 General Introduction

#### 1.1 Overview

This series IP camera integrates the traditional camera and network video technology. It adopts audio and video data collection, transmission together. It can connect to the network directly without any auxiliary device.

This series IPC uses standard H.264 video compression technology and MJPEG audio compression technology, which maximally guarantee the audio and video quality.

This series IPC enclosure has the strong resistance capacity, which can guarantee the proper work performance under heavy strike. It supports real-time monitor and motion detect function.

It can be used alone or used in a network area. When it is used lonely, you can connect it to the network and then use a network client-end. Due to its multiple functions and various uses, this series IPC is widely used in many environments such office, bank, road monitor and etc.

#### 1.2 Features

User Management	<ul> <li>Different user rights for each group, one user belongs to one group.</li> <li>The user right shall not exceed the group right.</li> </ul>
Storage Function	<ul> <li>Support central server backup function in accordance with your configuration and setup in schedule setting</li> <li>Support record via Web and the recorded file are storage in the client-end PC.</li> <li>Support built-in Micro SD card. Support short-time storage when encounter disconnection. (For some series only.)</li> <li>Support network storage such as FTP.</li> </ul>
Alarm Function	<ul> <li>Real-time respond to video detect as user pre-defined activation setup and exert corresponding message in screen and audio prompt(allow user to pre-record audio file)</li> <li>Real-time video detect: motion detect, camera masking.</li> <li>Can generate an alarm when network abnormal, SD card abnormal event occurred.</li> </ul>
Network Monitor	<ul> <li>IPC supports one-channel video data transmit to network terminal and then decode. Delay is within 270ms (network bandwidth support needed)</li> <li>Max supports 20 connections.</li> <li>Adopt the following audio and video transmission protocol: HTTP, TCP, UDP, RTP/RTCP, RTSP and etc.</li> <li>Support web access, widely used in WAN.</li> </ul>
Network Management	<ul> <li>Realize IPC configuration and management via Ethernet.</li> <li>Support device management via web or client-end.</li> <li>Support various network protocols.</li> </ul>
Power	<ul> <li>External power adapter DC12V</li> <li>Support PoE.</li> </ul>
Assistant Function	<ul> <li>Log function</li> <li>Support PAL/NTSC</li> <li>Support system resource information and running status real-time display.</li> <li>Day/Night mode auto switch.</li> <li>Backlight compensation: screen auto split to realize backlight compensation to adjust the bright.</li> <li>Support electronic shutter and gain setup.</li> </ul>

### 1.3 Specifications

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#### 1.3.1 Performance

Please refer to the following sheet for IPC performance specification.

Parame	ter	
Sy	Main Processor	TI Davinci high performance DSP
System	OS	Embedded LINUX
З	System Resources	Support real-time network, local record, and remote operation at the same time.
	User Interface	Remote operation interface such as WEB, DSS, PSS
	System Status	SD card status, bit stream statistics, log, and software version.
<	Image Sensor	1/2.9-inch CMOS
ide	Pixel	1920(H)*1080(V)
Video Parameter	Day/Night Mode	Support day/night mode switch.
ame	Gain Control	Fixed/Auto
eter	White Balance	Manual/Auto
	BLC	On/off
	Electronic Shutter	Manual/Auto PAL: It ranges from 1/3 to 1/10000. NTSC: It ranges from 1/4 to 1/10000.
	Video Compression Standard	H264/ H.264B /MJPEG
	Video Frame Rate	PAL: Main stream (1920*1080@25fps) extra stream (704*576@25fps) NTSC: Main stream (1920*1080@30fps) Extra stream (704*480@30fps)
	Video Bit Rate	H.264: 56Kbps-8192Kbps. MJPEG: 128-20480Kbps. The bit rate is adjustable. Support customized setup.
	Video Flip	Support mirror function. Support flip function.
	Snapshot	Max 1f/s snapshot. File extension name is JPEG.
	Privacy Mask	Supports max 4 privacy mask zones
	Video Setup	Support parameter setup such as bright, contrast.
	Video Information	Channel title, time title, motion detect, privacy mask.
	Lens	2.8mm/3.6mm/6mm/8mm MP
	Lens Interface	M12. Lens is the default accessories
Video	Motion Detect	396 (18*22) detection zones; sensitivity level ranges from 1 to 6 (The 6 <sup>th</sup> level has the highest sensitivity) Activation event: Video storage, image snapshot, log, email SMTP function and etc.

	Video Loss	Activation event: Video storage, image snapshot, log, email SMTP function and etc.
Record and Backup	Record Priority	Manual> Video detect>Schedule
and and	Local Storage	Support Micro SD card storage
	Wire Network	1-channel wire Ethernet port, 10/100 Base-T Ethernet
Network	Network ProtocolStandard HTTP, TCP/IP, IPv4/IPv6, ARP, IGMP, ICMP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPOE, UPNF SNMP.	
	Platform interface Standard	ONVIF
	Remote Operation	Monitor, system setup, log information, maintenance , upgrade and etc
AUX Interf ace	Reset	Built-in RESET button
	Power	Support DC12V and PoE
General Parameter	Power Consumption	2.5W MAX
ral Pa	Working Temperature	-10℃~+60℃
Irame	Working Humidify	10%~90%
eter	Dimensions(m m)	¢110×54
	Weight	0.25Kg
	Installation	Installed in the places such as wall or the ceiling

**1.3.2 Factory Default Setup** Please refer to the following sheet for factory default setup information.

	Function Setup Type				Default setup
Q	Q	Brightness			50
Camera Setup	Conditions	Contrast			50
ira S	ition	Hue			50
setu	S	Saturation			50
q		Exposure mode			Auto
		Scene mode			Auto
		Day&night			Auto
		Backlight			Off
		Mirror			Disable
		Flip			Disable
	Video	Video bit stream	Main stream	Bit stream type	General
	0			Encode mode	H.264B
				Resolution	1080P (1920*1080)

Function	ltaur			Default setup
Setup Type	Item			•
			Frame rate (FPS)	PAL: 25 NTSC:30
			Bit stream type	CBR
			Reference bit rate	3584-6144 Kb/S
			Bit rate	8192
			l frame interval	50
			Watermark settings	Enable
			Watermark character	DigitalCCTV
			Enable	Enable
			Bit stream type	General
			Encode mode	H.264B
			Resolution	CIF(352×288/352×240)
		Extra stream	Frame rate (FPS)	PAL: 25 NTSC:30
			Bit rate type	CBR
			Reference bit rate	192-1024Kb/S
			Bit rate	1024
			l frame interval	50
			Snap type	General snap
	Snapshot		Image size	1080P (1920*1080)
			Quality	Better
			Interval	1picture/s
	Overlay		Privacy mask	Disable
	Ovenay		Channel title	Enable
			Time title	Enable
	Path		Snapshot path	C:\PictureDownload
			Record path	C:\RecordDownload
Network setup	TCP/IP		Host name	IPC
			Ethernet card	Wire(Default)
			Mode	Static
			MAC address	Depends on the device

Function	Itom		Default setup	
Setup Type	Item			
		IP version	IPV4	
		IP address	192.168.1.168	
		Subnet mask	255.255.255.0	
		Default gateway	192.168.1.1	
		Preferred DNS	8.8.8.8	
		Alternate DNS	8.8.8.8	
		Enable ARP/Pingto to set IP address service	Enable	
		Max connection	10	
		TCP port	37777	
	Connection	UDP port	37778	
		HTTP port	80	
		RTSP port	554	
		Enable	Disable	
	PPPoE	User name	N/A	
		Password	N/A	
		Server type	Disable, CN99 DDNS	
		Server IP	none	
		Port	80	
	DDNS	Domain name	none	
		User name	none	
		Password	N/A	
		Update period	10m	
	IP filter	Trusted sites	Disable	
	SMTP (email)	SMTP server	none	
		Port	25	
		Anonymity	Disable	
		User name	anonymity	
		Password	N/A	
		Sender	none	
		Authenticati on (Encrypt mode)	N/A	

Function Setup Type	Item			Default setup
Couch i the			Title	
			Title (Subject)	IPC Message
			Attachment	Enable
			Main Receiver	N/A
			Interval	0s
			Health email	Disable , interval=60m
	UPnP		Enable UPnP	Disable
			SNMP v1	Disable
			SNMP v2	Disable
			SNMP v3	Disable
			SNMP port	161
	SNMP		Read community	public
			Write community	private
			Trap address	N/A
			Trap port	162
			Enable	Enable
	Bonjour		Server name	"Device name+SN". Depends on the device.
	Multicast		Multicast address	239.255.42.42
			Port	36666
	QoS		Real-time monitor	0
			Command	0
Event	Video detect	Ma	Enable	Disable
management		Motion detect	Anti-dither	5 seconds
		ı def	Sensitivity	3
		tect	Record Channel	Enable
			Record Delay	10 seconds
			Send email	Disable
			Snapshot	Disable
		(C <sub>2</sub>	Enable	Disable
		Video (Camera) masking	Record Channel	Enable
			Record Delay	10 seconds

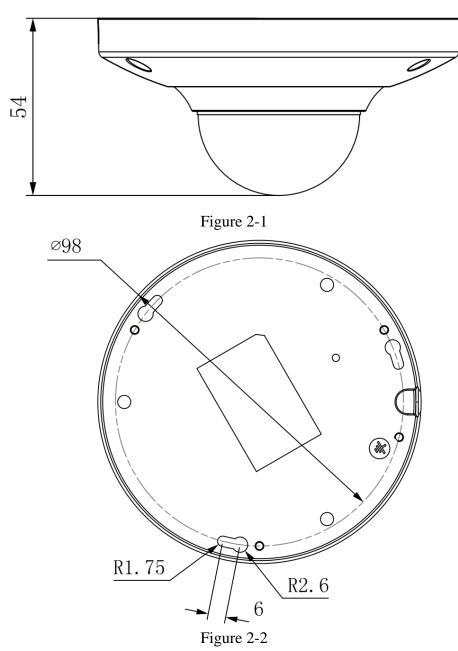
Function			Default setup		
Setup Type					
			Send email	Disable	
			Snapshot	Disable	
		No (	Enable		
		rd SD	Send email		
		۷ ۲ ۲	Enable		
		Capacit y warning	Capacity limit	(Space threshold)	
		ng Sit	Send email		
		SD error	Enable		
		ror U			
	Abnormity	card	Send email		
		· []	Enable	Disable	
		n sco	Record	Enable	
		Disconnec tion	Record delay	10s	
		P	Enable	Disable	
		IP conflict	Record	Enable	
			Record delay	10s	
			FTP enable	Disable	
			Server IP	N/A	
	Destination(Stora ge )		Port	21	
			User name	anonymity	
		FTP	Password	N/A	
			Remote storage path	share	
Storage management			Emergency storage to local path	Disable	
			Pack duration	8m	
			Pre-record	5s	
		Record	Disk full	Overwrite	
	control)		Record mode	Auto	
			Record Stream	Main Stream	
System management	General setup	Local setup	Device name	Device factory SN	
		se	Language	English	
		tup	Video standard	NTSC	NTSC

Function Setup Type	Item			Default setup	
Setup Type			T		
		D	Date format	Y-M-D	
		ite a	Time format	24H	
		and	Time zone	GMT+08:00	
		Date and time	Current time	Sync PC	
			DST	Disable	
			DTS type	Week	
			Start time	00:00:00 of the first Sunday of the month	
			End time	00:00:00 of the second Monday of the month	
			Synchronize with NTP	Disable	
				NTP server	clock.isc.org
			Port	37	
			Update period	10m	
			Auto reboot	Enable	
	Auto maintenance		Auto delete old files	Disable	

### 2 Framework

### 2.1 Dimensions

Please refer to the following figure for the dimension information. The unit is mm. See Figure 2-1 through Figure 2-3.



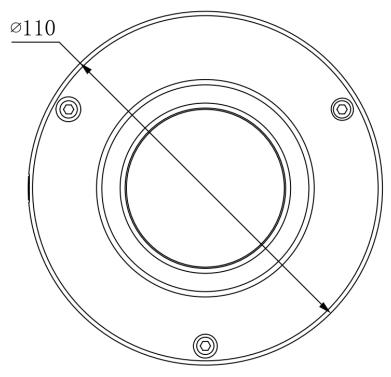


Figure 2-3

#### 2.2 Structure

Please refer to the following figure for detailed information. See Figure 2-4.

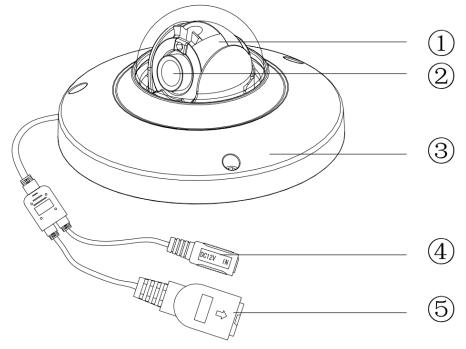


Figure 2-4

Please refer to the following sheet for detailed information.

SN	Name		
1	X-Y-Z rotation module		
2	Device lens		
3	Dome camera enclosure		
SN	Name	Function	
4	Power input port	Connect to the DC 12+ power to input the power.	

### 3 Installation

#### 3.1 Device Installation

This series IPC can be put on the table to realize surveillance. Or you can use the bracket or the inceiling installation to realize the hang function. Please refer to the steps listed below.

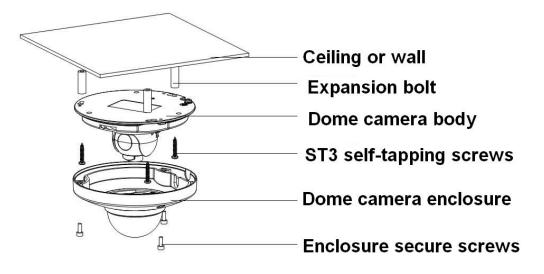


Figure 3-1

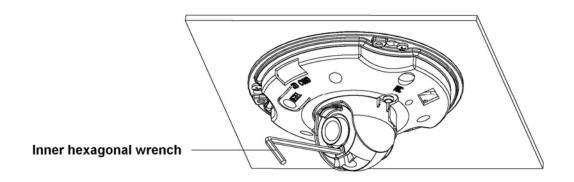


Figure 3-2

#### <u>Step1</u>

Use the inner hexagonal wrench (provided) to loose the three inner hexagon screws in the dome cover and then open the cover.

#### Step 2

Please take the installation position map in the accessories bag, and then paste it on the ceiling or the wall according to your monitor area requirements. Draw and then dig three plastic expansion bolts holes in the installation surface and then insert three expansion bolts in the holes. Secure these three bolts firmly. Please dig a "cable exit hole" in the surface according to the installation position map if you want to draw out the cable from the top of the installation surface. You need to use the proper tool to open up the side port of the U-cable channel of the dome camera pedestal if you want to draw out

the cable from the side port of the cable channel when you are installing the device cable. And then you can draw out the cable from the cable channel of the pedestal.

#### Step 3

Adjust the device installation pedestal to the proper position and then draw the cable through the cable exit you just dug in the ceiling (wall). Line up the TOP direction of the device to the installation position map and then line up the three screw holes in the device pedestal to the three plastic expansion bolt holes in the installation position. Put the three self-tapping screws in the three plastic expansion bolts firmly. Now the dome camera is secure in the installation surface.

#### Step 4

Loosen the two M3 secure screws of the lens rotation structure (Do not remove, loosen a little bit will be OK.). Use the inner hexagonal wrench to insert them to the inner hexagonal holes and then use the wrench to turn the lens. Adjust the lens to the proper monitor angle and then secure the screws of the lens rotation structure. The lens adjust angle ranges are: flip  $(0^{\circ} \rightarrow +75^{\circ})$ ,video pan rotation (-15°  $\rightarrow +15^{\circ}$ ), video rotation angle(-15°  $\rightarrow +15^{\circ}$ ).

#### Step 5

Line up the dome camera cover to the cable exits and put the cover back. Use the inner hexagonal wrench to secure the three inner hexagonal screws firmly. Now the installation completed.

#### Note:

The device GND cable can effectively enhance the device reliability. The GND hole is near the cable exit of the back of the enclosure. The GND screw specification is M3. See Figure 3-3.

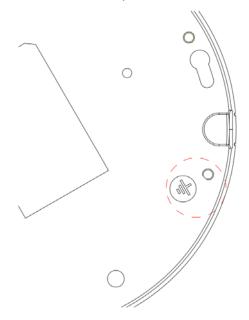


Figure 3-3

#### 3.2 SD Card Installation

#### Important

Some series product do not support the SD card storage function.

Please shut down the power and then turn off the device before you install the SD card.

#### <u>Step 1</u>

Please refer to the step 1 in chapter 2.1 to open the device.

#### <u>Step 2</u>

Find the "SD CARD" indicator in the enclosure. Adjust the SD card to the proper direction and then install. See Figure 3-4.

#### <u>Step 3</u>

Please refer to the step 5 in chapter 2.1 to complete the installation.

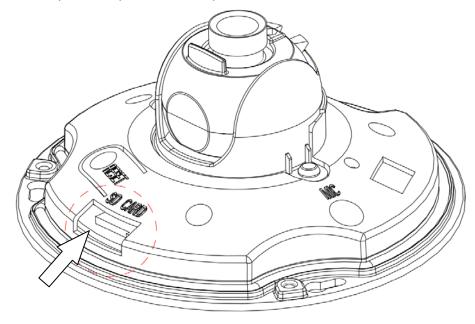


Figure 3-4

### 4 Quick Configuration Tool

### 4.1 Overview

Quick configuration tool can search current IP address, modify IP address. At the same time, you can use it to upgrade the device.

Please note the tool only applies to the IP addresses in the same segment.

### 4.2 Operation

Double click the "ConfigTools.exe" icon, you can see an interface is shown as in Figure 4-1. In the device list interface, you can view device IP address, port number, subnet mask, default gateway, MAC address and etc.

Con	ConfigTool 🗙							
Devic	e List							
SN	IP Address	Port	Subnet Mask	Default Gat	Mac Address			
1 2	10. 7. 6. 47 10. 7. 8. 21	37777 37777	255.255.0.0 255.255.0.0	10. 7. 0. 1 10. 7. 0. 1	52:54:4c:ff:90:5d 52:54:4c:fd:58:e4			
3	10. 7. 8. 21	37777	255, 255, 0, 0	10. 7. 0. 1	52:54:4c:fd:58:51			
4 5 6 7 8	10. 7. 2. 2 10. 7. 1. 113 10. 7. 10. 91 192, 168. 0. 108 10. 7. 2. 61	37777 37777 37777	255, 255, 0, 0 255, 255, 0, 0	10, 7, 0, 1 10, 7, 0, 1 10, 7, 0, 1 192, 168, 0, 1 10, 7, 0, 1	00:05:23:16:24:48 52:54:4c:fa:35:37 00:12:26:45:23:65 00:1a:6b:90:57:db 00:09:30:ad:00:12			
	Tip: You can click "login" button directly and then input corresponding information to login.     Refresh(R)     Login(L)     Logout(C)							

Figure 4-1

Select one IP address and then right click mouse, you can see an interface is shown as in Figure 4-2.

Co	ConfigTool 🔀							
Dev	rice List							
SE	I IP Address	Port	Subnet Mask	Default Gat	Mac Address			
1 2 3 4 5 6 7 8	10.7.6.47 10.7.8.21 10.7.10.104 10.7.2.2 10.7.1.113 10.7.10.91 192.168.0.108 10.7.2.61	37777 37777 37777 37777 37777 37777 37777	255, 255, 0, 0 255, 255, 0, 0	10.7.0.1 10.7.0.1 10.7.0.1 10.7.0.1 10.7.0.1 10.7.0.1 <u>Open Device</u> 10.7.0.1	52:54:4c:ff:90:5d 52:54:4c:fd:58:e4 52:54:4c:fd:58:51 00:05:23:16:24:48 52:54:4c:fa:35:37 0:45:23:45 00:05:7:db 00:09:30:ad:00:12			
	Tip: You can click "login" button directly and then input corresponding information to login. Refresh(R) Login(L) Logout(C)							

Figure 4-2

Select the "Open Device Web" item; you can go to the corresponding web login interface. See Figure 4-3.

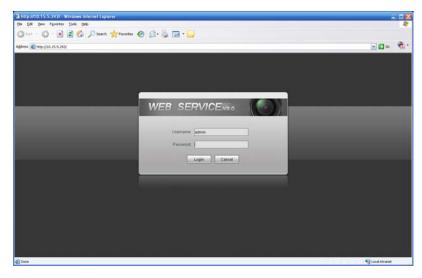


Figure 4-3

If you want to modify the device IP address without logging in the device web interface, you can go to the configuration tool main interface to set.

In the configuration tool search interface (Figure 4-1), please select a device IP address and then double click it to open the login interface. Or you can select an IP address and then click the Login button to go to the login interface. See Figure 4-4.

In Figure 4-4, you can view device IP address, user name, password and port. Please modify the corresponding information to login.

Please note the port information here shall be identical with the port value you set in TCP port in Web Network interface. Otherwise, you can not login the device.

If you are use device background upgrade port 3800 to login, other setups are all invalid.

Login	
IP Address: User Name:	10.10.3.16
Password:	****
Port:	37777
	Login Cancel

Figure 4-4

After you logged in, the configuration tool main interface is shown as below. See Figure 4-5.

General Parameter		NetWork Parameter
[	DHCP Enable	PPPOE
IP Address:	10. 10. 3. 16	System Information
Subnet Mask:	255. 255. 0. 0	System Upgrade
Gateway:	10. 10. 0. 1	
Mac Address:	52:54:4c:fa:43:6d	

Figure 4-5

### 5 Web Operation

This series IPC product support the Web access and management via PC.

Web includes several modules includes monitor channel preview, PTZ control, system configuration, alarm and etc.

IP camera factory default setup:

- IP address: 192.168.1.108.
- User name: admin
- Password: admin

#### 5.1 Network Connection

Please follow the steps listed below for network connection.

- Make sure the IPC has connected to the network properly.
- Please set the IP address, subnet mask and gateway of the PC and the IPC respectively. IPC default IP address is 192.168.1.108. Subnet mask is 255.255.255.0. Gateway is 192.168.1.1
- Use order ping \*\*\*.\*\*\*.\*\*\*(\* IP camera address) to check connection is OK or not.

#### 5.2 Login and Main Interface

Open IE and input IP camera address in the address bar.

For example, if your camera IP is 192.168.1.108, then please input http:// 192.168.1.108 in IE address bar. See Figure 5-1.

Blank	Page - Windows Internet Explorer	1			
90	✓ Ø about:blank		Salar Salar	P-	Input your IP
• 😰					
2 48	🍘 Blank Page		🙆 • 📾 · 🖶 •	Page 🔹 🎯 Tools 🔹 🎇	address here
				1	
			😜 Internet	€_100% ·	
			Tilker nec	100.10	

Figure 5-1

The login interface is shown as below. See Figure 5-2.

Please input your user name and password.

Default factory name is admin and password is admin.

Note: For security reasons, please modify your password after you first login.

■ http://10.15.5.243/ - Windows Internet Explorer	
Ele Edit Yew Favorites Tools Help	
3 min - 5 - 2 2 3 1 - 2 Search 👷 Favorites 😨 🔗 - چ 📼 - 🛄	
Address (1) http://10.155.243/	🚽 🔂 👳 📆
Hanan (Statistics 120 stat)	
WEB SERVICEva.	
Username: jadmin	
Password )	
Login Cancel	
2 Done	Secol Intranet

#### Figure 5-2

If it is your first time to login in, system pops up warning information to ask you whether install control webrec.cab or not after you logged in for one minute. Please click OK button, system can automatically install the control. When system is upgrading, it can overwrite the previous Web too. If you can't download the ActiveX file, please check whether you have installed the plug-in to disable the control download. Or you can lower the IE security level. See Figure 5-3.

Internet Options	Security Settings - Internet Zone
General Security Privacy Content Connections Programs Advanced	Settings
Select a zone to view or change security settings.	<ul> <li>Enable</li> <li>Download signed ActiveX controls (not secure)</li> <li>Disable</li> <li>Enable (not secure)</li> <li>Prompt (recommended)</li> <li>Download unsigned ActiveX controls (not secure)</li> <li>Disable (recommended)</li> <li>Enable (not secure)</li> </ul>
Security level for this zone     Allowed levels for this zone: Medium to High	Prompt Initialize and script ActiveX controls not marked as safe for si Disable (recommended) Enable (not secure) Prompt Run ActiveX controls and plug-ins Administrator approved *Takes effect after you restart Internet Explorer
Custom level         Default level           Reset all zones to default level	Reset custom settings         Reset to:       Medium-high (default)         Reset
OK Cancel Apply	OK Cancel

Figure 5-3

After you logged in, you can see the main window. See Figure 5-4.

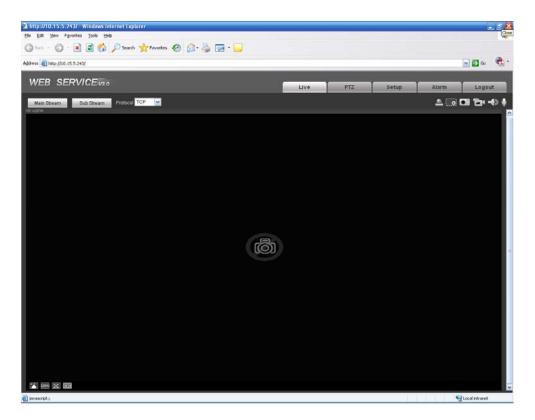


Figure 5-4

Please refer to the Web Operation Manual included in the resource CD for detailed operation instruction.

## 6 FAQ

Bug			
I can not boot up the device.	Please click RESET button for at least five seconds to restore factory default setup.		
SD card write times	Do not set the SD card as the storage media to storage the schedule record file. It may damage the SD card duration.		
I can not use the disk as the storage media.	When disk information is shown as hibernation or capacity is 0, please format it first (Via Web).		
I can not upgrade the device via network.	When network upgrade operation failed, you can use port 3800 to continue upgrade.		
Recommended SD card brand	Kingston 4GB, Kingston 1GB, Kingston 16GB, Transcend 16GB, SanDisk 1G, SanDisk 4G.		
	Usually we recommend the 4GB (or higher) or industry-level high speed card in case the slow speed results in data loss.		
Save setup	Please use active device for the audio monitor input, otherwise there is no audio in the client-end.		
Power adapter	The power adapter in the accessories bag work temperature ranges from $0^{\circ}$ to $40^{\circ}$ . It may result in unstable performance if it works in the extremely too hot or too cold environments. In this case, you may need to use the industrial-level power adapter.		

Component	Toxic or Hazardous Materials or Elements						
Name	Pb	Hg	Cd	Cr VI	PBB	PBDE	
Circuit Board Component	0	0	0	0	0	0	
Device Construction Material	0	0	0	0	0	0	
Wire and Cable	0	0	0	0	0	0	
Packing Components	0	0	0	0	0	0	
Accessories	0	0	0	0	0	0	

### Appendix Toxic or Hazardous Materials or Elements

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

#### Note

- This user's manual is for reference only. Slight difference may be found in user interface.
- All the designs and software here are subject to change without prior written notice.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.