Vandal Proof IP Dome Camera User's Manual

V1.1.1

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.
This series product uses DC 12V power. Please make sure your power sourcing equipment is right before you boots up the device.
Before you replace the SD card, please unplug the power cable and then remove the shell
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．Installation

Current series device has no power button. Please unplug all corresponding power cables before your installation.
Do not apply power to the IP camera before completing installation.
Do not put object on the IP camera.

3．Environment

This series IP camera should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc.
Please keep the sound ventilation.
Thunder-proof device is recommended to be adopted to better prevent thunder.
The grounding studs of the product are recommended to be grounded to further enhance the reliability of the camera.

4. Daily Maintenance

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

5. Accessories

Please open the accessory bag to check the items one by one in accordance with the list below.
Contact your local retailer ASAP if something is missing or damaged in the bag.

Accessory Name	Amount
IPC Unit	1
12V power adapter	1
MD9M data converter cable	1
Accessories bag	1

Quick Start Guide	1
Warranty Card	1
Certificate Card	1
CD	1

Table of Contents

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 G.711a 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 listening at the same time. It supports analog video output and dual-way bidirectional talk.

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	● Different user rights for each group, one user belongs to one group. ● The user right shall not exceed the group right.
Storage Function	● Support central server backup function in accordance with your configuration and setup in alarm or schedule setting ● Support record via Web and the recorded file are storage in the client-end PC. ● Support local SD card hot swap, support short-time storage when encounter disconnection.
Alarm Function	● Real-time respond to external local alarm input, wireless alarm input and video detect(within 200MS) as user pre-defined activation setup and exert corresponding message in screen and audio prompt(allow user to pre-record audio file) ● Real-time video detect: motion detect, camera masking, video loss.
Network Monitor	● IPC supports one-channel audio/video data transmit to network terminal and then decode. Delay is within 500ms (network bandwidth support needed) ● Max supports 10 connections. ● Adopt the following audio and video transmission protocol: HTTP, TCP, UDP, MULTICAST and RTP/RTCP and etc. ● Support web access, widely used in WAN.
Network Management	● Realize IPC configuration and management via Ethernet. ● Support device management via web or client-end.
Peripheral Equipment	● Support peripheral equipment management, each peripheral equipment control protocol and interface can be set freely. ● Support serial port (RS232/RS485) transparent data transmission.
Power	● External power adapter DC12V
PoE	● Support Power over Ethernet (PoE). Conform to the IEEE802.3af standard. ● Connect the device to the switcher or the router that supports the PoE function to realize the network power supply.

	● To guarantee proper performance, please make sure the power sourcing device can supply at least 6.4W power for DB series product and 10W power for DBW series product.
Assistant Function	● Log function ● Support PAL/NTSC ● Support system resource information and running status real-time display. ● Day/Night mode auto switch ● Built-in IR light. Support IR night vision (For IR series only) ● Backlight compensation: screen auto split to realize backlight compensation to adjust the bright. ● Support video watermark function to avoid vicious video modification.

1.3 Specifications

1.3.1 Performance

Please refer to the following sheet for IPC performance specification.

Parameter		Specification		
		DB/DBW625 Series	DB/DBW645 Series	DB/DBW665 Series
Camera	Sensor Type	1/3-inch SONY Supper HAD CCD		
	Resolution	420TVL	480TVL	540TVL
	Pixel	PAL：500（H）*582（V） NTSC： 510（H）*492（V）	PAL：752（H）*582（V） NTSC：768（H）*494（V）	
	Lens Mode	M12*0.5		
	Video Format	PAL/NTSC		
	Shutter	1/50（1/60）～1/1000005		
	Min. Illumination	Color 0.5Lux/F1.2 B/W 0.05Lux/F1.2（IR mode 0Lux）	Color 0.3Lux/F1.2 B/W 0.03Lux/F1.2（IR mode 0Lux）	Color 0.1Lux/F1.2 B/W 0.01Lux/F1.2（IR mode 0Lux）
	Auto Iris	N/A		
	Analog Output	Supported		
	SNR	＞50dB		
Video	Standard	PAL：1f/s～25f/s，NTSC：1f/s～30f/s		
	Encode Capability	H.264 encode，5 CIF		
	Encode Bit Stream	D1（704*576/704*480） HD1（352*576/352*480） CIF（352*288/352*240） QCIF（176*144/176*128）		

	Video Recording Speed	PAL：1-ch 1f/s～25f/s adjustable NTSC：1-ch 1f/s～30f/s adjustable
IR Distance		10~20M（For IR series product）
Network Capacity		Max support 10 network users to monitor simultaneously TCP output capacity 75Mbps UDP output capacity 85Mbps
Power Consumption		＜6W
Power		DC 12V
Temperature		-10℃～+50℃
Working Environment Humidity		10%～90％
Dimension(H*W*D）		141.4mm*141.4*111.5mm

1.3.2 Function Specification

Please refer to the following sheet for function specification information.

Specification		Note
CCD Video Process	Backlight compensation control	Auto
	White balance adjustment	Auto
	Contrast ness adjustment	Auto
	Bright ness adjustment	Auto
	Electronic shutter control	Auto
	Color/B&W(Day/Night) switch	Auto **Note** The color/B&W (Day/Night) switch here just an electronic switch. System removes the color elements and reserves the B&W elements. It is not a filter switch.
Video	Resolution	D1/HD1/CIF/QCIF
	Video compression	Standard H.264 encode/decode format d
	Motion Detection	Take 18*22 pix as a macro unit. Support 396 detection zones. Sensitivity level ranges from 1 to 6.
	Dual-stream	1-channal real-time D1 + 1-channel CIF
Audio	Bidirectional Talk	Bidirectional talk. Delay within 200ms
	Audio Listening	Audio listening. 1-ch MIC input.
Network		WEB access via IE browser.
		PPPoE dial function
		DHCP auto get IP address
		DDNS
		SMTP email function
		NTP time synchronization.
		DNS domain parse
		IP address filter
		IP address auto search function
Record	Schedule Record	Support max 6 periods. (This series product **does not** support this function.)

	Manual Record	After enabling manual record, no matter system is in schedule or alarm status or not, system just begins recording.
	Alarm Record	System automatically enables recording function when alarm occurred.
	Motion Detection Record	When video changes, system automatically enables record operation.
OSD	Time Title Display	There are 255 layers. O is the bottom layer and 255 is the highest layer. O means completely transparent and 255 is opaque.
	Channel Title Display	Please refer to the above information.
	Privacy Mask	Max supports 8 zones.
Storage	Local Micro SD storage	Support high-speed card/low-speed card
	Based on SDK network storage	Supported
Alarm	Network alarm/local alarm output	1-ch local/network alarm output
	Local alarm/network alarm input	2-ch local/network alarm input
Event Management	Activate alarm via motion detection or external input	Please enable pre-record function when activating the alarm
	Upload image email.	Upload automatically
	Send out alarm notice via email, HTTP and external port.	Support de-jitter when alarm occurs frequently.
	Support video short time buffer storage before or after alarm	Pre-record is 2Mbytes. Buffer storage video of 5s.
Control	RS485 PTZ control	Support semi-duplex communication way.
On-line Upgrade	Network remote upgrade	Use upgrade tool.
Device Management	Network client-end Log in the client-end software in the PC to monitor IPC.	
Parameter Configuration	IPC provides device information, video information, COM setup, record setup, motion detection setup, alarm setup, OSD information interfaces to modify system setup.	
	IPC provides running information such as user port, log, status, user management, email setup, date modification.	
Log	System can record the important event log record Record the following information： System operation, setup operation, alarm event, record management, user management, clear log.	
Water Mark	To avoid vicious video modification.	
Power supply	DC12V power supply	
RESET	Support hardware reset. System needs to reboot to activate the default setup.	
Port ESD protection	9-pin input and output port	
	Network port	

	12V power adapter
9-pin I/O Port	One analog video output port
	One audio input port
	One audio output port
	Two alarm input port
	One alarm output port
	One network interface（RJ45 10M/100M self-adaptive Ethernet port）
Others	One red/green running status indication light.
	One RESET conversion cable
	IR light (For IR series product only)
Installation	Pendant installation

1.3.3 Factory Default Setup

Please refer to the following sheet for factory default setup information.

Function Configuration Type		**Item Name**	**Default setup**
General Setup		Date format	Y-M-D
		DST	Disable by default
		Date separator	‘_’
		Time format	24H
		Language	Simplified Chinese
		When HDD is full	Overwrite
		Record duration	60M
		Device No.	8
		Video type	PAL
Encode Setup	Main Stream	Channel	Channel01
		Encode mode	H.264
		Audio/Video enable	Enable audio and video
		General bit stream	General bit stream
		Resolution	D1
		Frame rate	25
		Bit stream control	VBR
		Quality	Good
		Bit stream value	2048
		I frame interval control	50
	Extra Stream	Extension Stream	General bit stream
		Audio/Video enable	Enable audio and video
		Resolution	CIF
		Frame rate	25
		Bit stream control	VBR
		Quality	Good
		Bit stream value	512
		I frame interval control	50
		Image Color	Brightness:50 Contrast:50 Sautratioon:50 Hue:50
		Watermark	Enable Watermark: all Watermark type: character

				Watermark: DigitalCCTV
		Privacy Mask		Never
		Time title		Enable. OSD transparent :128
		Channel title		Enable. OSD transparent :128
Record Setup		Channel		Ch01
		Pre-record		5 seconds.
		Time Setup	Start Time	0:00:00
			End Time	23:59:59
			Record	Period 1:Enable motion detection/alarm
			Snapshot	Period 1: Enable motion detection/alarm
			Week	Sunday
COM Setup		Option		COM01
		Function		General
		Data bit		8
		Stop bit		1
		Baud rate		115200
		Parity		None
Network Setup		Ethernet		Port 01
		DHCP		Disable
		IP address		192.168.1.108
		Subnet mask		255.255.0.0
		Gateway		192.168.0.1
		Device name		Device factory default name
		TCP port		37777
		HTTP port		80
		UDP port		37776
		Network user connection amount		10
		Network transmission QoS		Disable
		Remote host		Multiple broadcast group
		Enable		Disable
		IP address		255.255.255.0
		Port		36666
		Email setup		Enable
		Multiple DDNs		Disable
		NAS setup		Disable
		NTP setup		Disable
		Alarm server		Disable
Alarm Setup		Event type		Local input
		Alarm input		Input 01, disable
		Type		Normal open
		Setup		Period: Start time 0:00:00 End time:23:59:59 Period 1:enable Week: Sunday
		Anti-dither		0 second
		General output		Disable
		Alarm latch		10 seconds
		Record channel		1, enable
		Record latch		10 seconds

	Send email		Disable
	PTZ activation		Disable Event type: never Address: 0
	Snapshoot		Disable
Video Detection	Event type		Motion detection
	Channel		Ch01, Disable
	Sensitivity		3
	Time period setup		Period: Start time 0:00:00 End time:23:59:59 Period 1:enable Week: Sunday
	Anti-dither		5 seconds
	General output		Disable
	Alarm latch		10 seconds
	Record channel		Disable
	Record latch		10 seconds
	Send email		Disable
	PTZ activation		Event type: Never Address: 0 Disable
	Snapshot		Disable
PTZ Setup	Channel		Ch01
	Protocol		DH-SD1
	Address		1
	Baud rate		115200
	Data bit		8
	Stop bit		1
	Parity		None
Default and Backup	All		Disable
	General		Disable
	Encode		Disable
	Record		Disable
	COM		Disable
	Network		Disable
	Alarm		Disable
	Video detection		Disable
	Display output		Disable
	Channel No.		Disable
Advanced	Record control		Auto. Ch1 (This series device **does not** support this function.)
	Abnormity	Even Type	No HDD, Disable
		General Output	Disable
		Alarm Latch	10 seconds
		Send email	Disable
	User account		admin--- password: admin (reusable) 888888--- password: 888888(reusable) 666666--- password: 666666(reusable) default--- password: tluafed
	Snapshot	Channel	Ch01
		Snapshot mode	Scheduled
		Frame rate	1f/s
		Resolution	D1

		Quality	60%			
	Auto maintain	Auto reboot	2.00 each day			
		Auto delete old files	Never			
Camera Property	Channel		1			
	Exposure Mode		Auto			
	Day/Night Mode		Color			
	Backlight Compensation		Disable			
	Auto Aperture		N/A	N/A	Disable	Disable
	White Balance		N/A			
	Signal Type		Internal input			
	Mirror		Disable	Disable	N/A	N/A
	Flip		Disable	Disable	N/A	N/A
Auto Registration	Enable		Disable			
	SN		1			
	IP		0.0.0.0			
	Port		7000			
	Device ID		Dahua			
DNS Setup	DNS		202.101.172.35			
	Alternative DNS		202.101.172.35			
IP Filter			Disable			

2 Structure

2.1 Multiple-function Composite Cable

You can refer to the following figure for multiple-function composite cable information. See Figure 2-1.

Figure 2-1

Please refer to the following sheet for detailed information.

Port Name	Function	Connection	Note
VIDEO OUT	Video output port	BNC	Output analog video signal. It can connect to the TV monitor to view the video.
AUDIO IN	Audio input port	RCA	Input audio signal. It can receive the analog audio signal from the pickup.
AUDIO OUT	Audio output port	RCA	Output audio signal to the devices such as the sound box.
+12V DC	Power input port	/	Power port. Input 12V DC
I/O	I/O cable port	/	Connect to MD9M data converter cable.
LAN	Network port	Ethernet port	Connect to standard Ethernet cable.

Please refer to the follow sheet for detailed information of MD9M data converter cable.

Port Name	Cable Color	Name	Note
I/O Port Pin	Yellow	RS485_A	RS485_A port. It is to control the PTZ.
	Black	RS485_B	RS485_B port. It is to control the PTZ.
	Red	ALARM_COM	Alarm output public port.
	Brown	ALARM_IN1	Alarm input port 1. It is to receive the on-off signal from the external alarm source.
	Grey	ALARM_IN2	Alarm input port 2. It is to receive the on-off signal from the external alarm source.

Port Name	Cable Color	Name	Note
	White	ALARM_NO	Alarm output port. It is to output the alarm signal to the alarm device. NO: normal open alarm output port. It works with the ALARM_COM port.
	Blue	RESET	It is to restore factory default setup. When the device is working properly, please connect the blue cable (restore default setup port) to the orange cable (GND signal) for 5 seconds, the device can resume factory default setup.
	Orange	GND	Ground port

2.2 Framework and Dimension

Please refer to the following two figures for dimension information. The unit is mm. See Figure 2-2 and Figure 2-3.

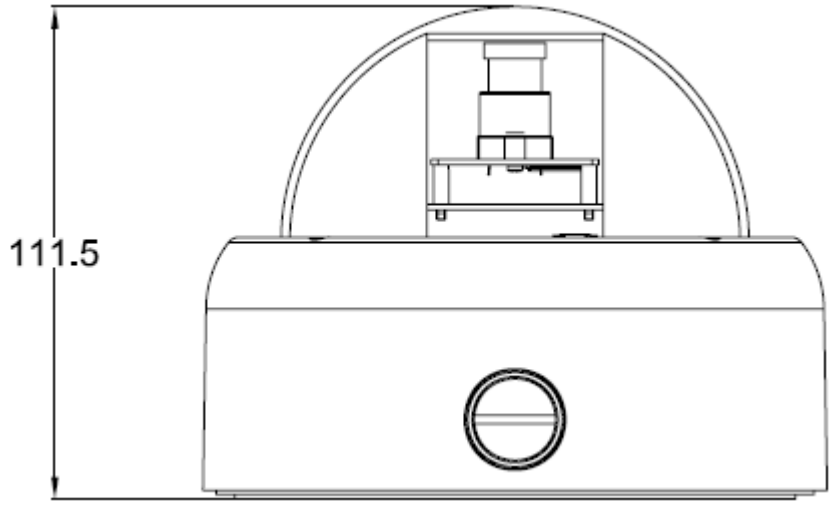

Figure 2-2

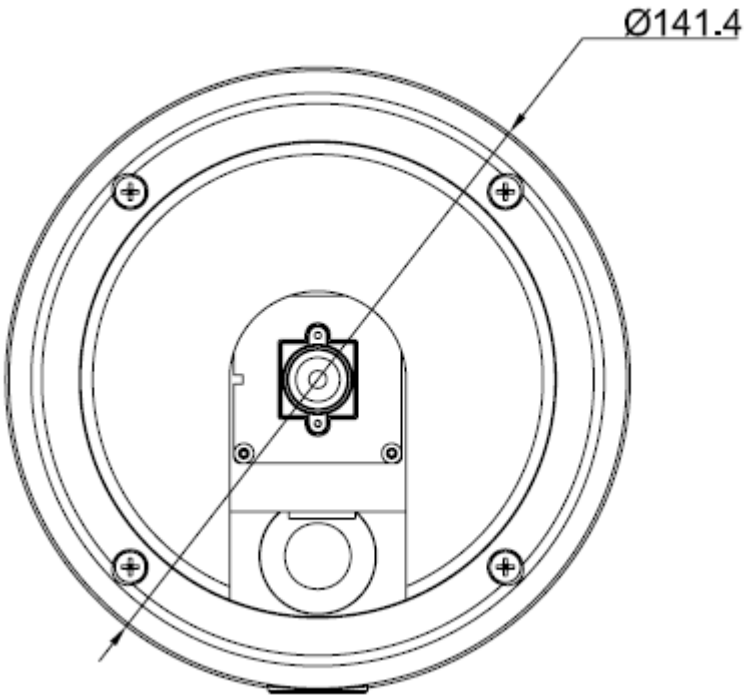

Figure 2-3

2.3 Bidirectional talk

2.3.1 Device-end to PC-end

Device Connection

Please connect the speaker or the pickup to the first audio input port in the device rear panel. Then connect the earphone or the sound box to the audio output port in the PC.

Login the Web and then enable the corresponding channel real-time monitor.

Please refer to the following interface to enable bidirectional talk.

Figure 2-4

Listening Operation

At the device end, speak via the speaker or the pickup, and then you can get the audio from the earphone or sound box at the pc-end.

2.3.2 PC-end to the device-end

Device Connection

Connect the speaker or the pickup to the audio output port in the PC and then connect the earphone or the sound box to the first audio input port in the device rear panel.
Login the Web and then enable the corresponding channel real-time monitor.
Please refer to the above interface (Figure 2-4) to enable bidirectional talk.

Listening Operation

At the PC-end, speak via the speaker or the pickup, and then you can get the audio from the earphone or sound box at the device-end.

2.4 Alarm Setup

The alarm interface is shown as in Figure 2-5. Please follow the steps listed below for local alarm input and output connection.

1) Connect the alarm input device to the alarm input port (grey or brown pin of I/O port cable).

2) Connect the alarm output device to the alarm output port (White-pin) and alarm output public port (Red-pin). The alarm output port supports NO (normal open) alarm device only.

3) Open the Web, go to the Figure 2-5. Please set the alarm input 01 port for the brown-pin (the 1st channel) of I/O port cable. The alarm input 02 is for the grey-pin (the 2nd channel) of I/O port cable. Then you can select the corresponding type (NO/NC.)

4) Set the WEB alarm output. The alarm output port of the alarm output 01 device (The white-pin of the I/O port cable).

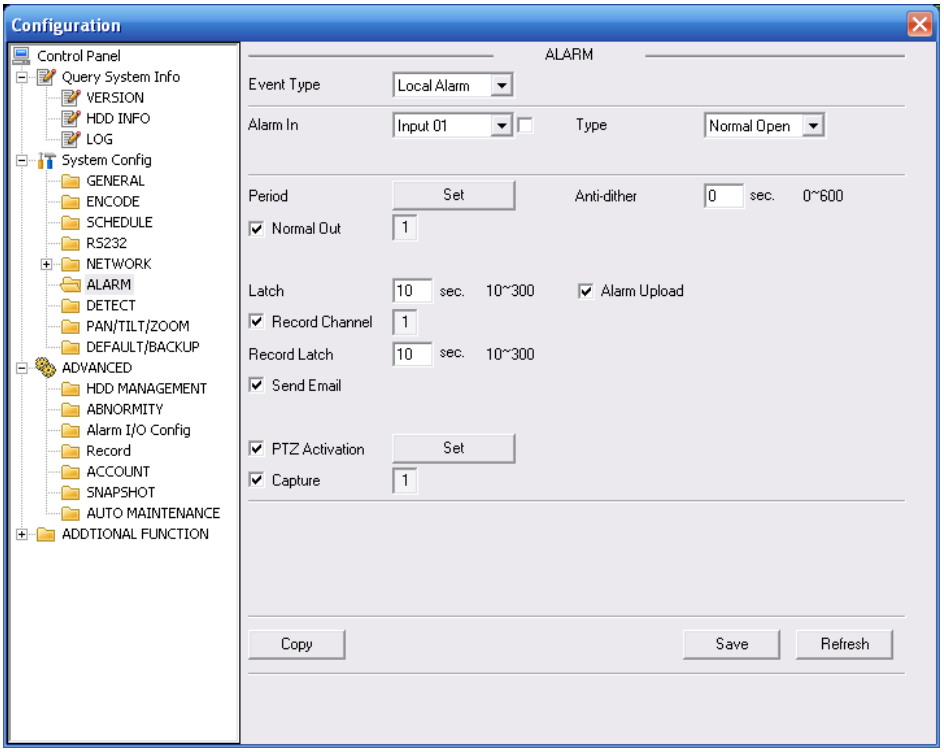

Figure 2-5

3 Installation

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

3.1 Device Installation

Step 1

Use the inner hexagonal wrench (provided) to loose the four inner hexagon screws in the dome cover and then open the cover. See Figure 3-1.

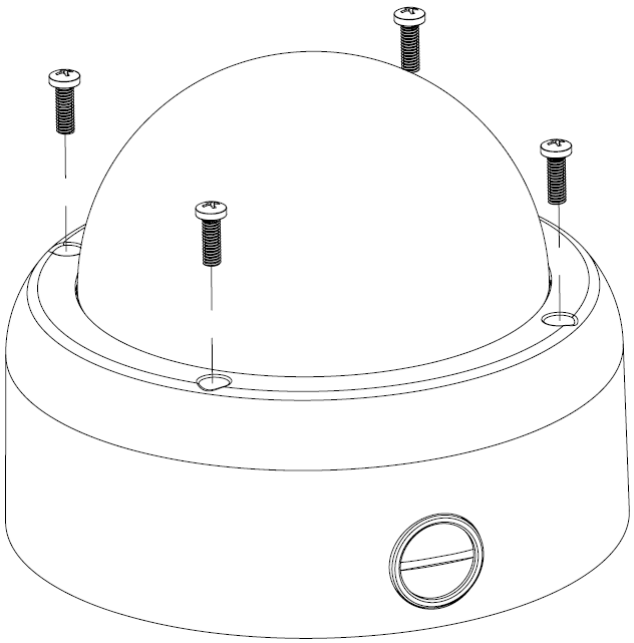

Figure 3-1

Step 2

Put the camera lens facing the monitor area (The lens tilt angle ranges from 10 to 90 degrees). Please make sure the U-slot centre surface of the black internal enclosure shall be vertical to the monitor area. Draw out the cable exit and four screw holes in the installation position according to the device pedestal. Dig the four plastic expansion bolt hole and cable exit. Insert the four plastic expansion bolts into the screw holes

Step 3

Adjust the camera lens to the proper monitor angle and then draw the cable through the cable exit you just dug in the ceiling (wall). Line up the four screw holes in the device pedestal to the four plastic expansion bolt holes in the installation position. Put the four self-tapping screws in the device pedestal and then use the screwdriver to secure the screws in the four plastic expansion bolts firmly. See Figure 3-2.

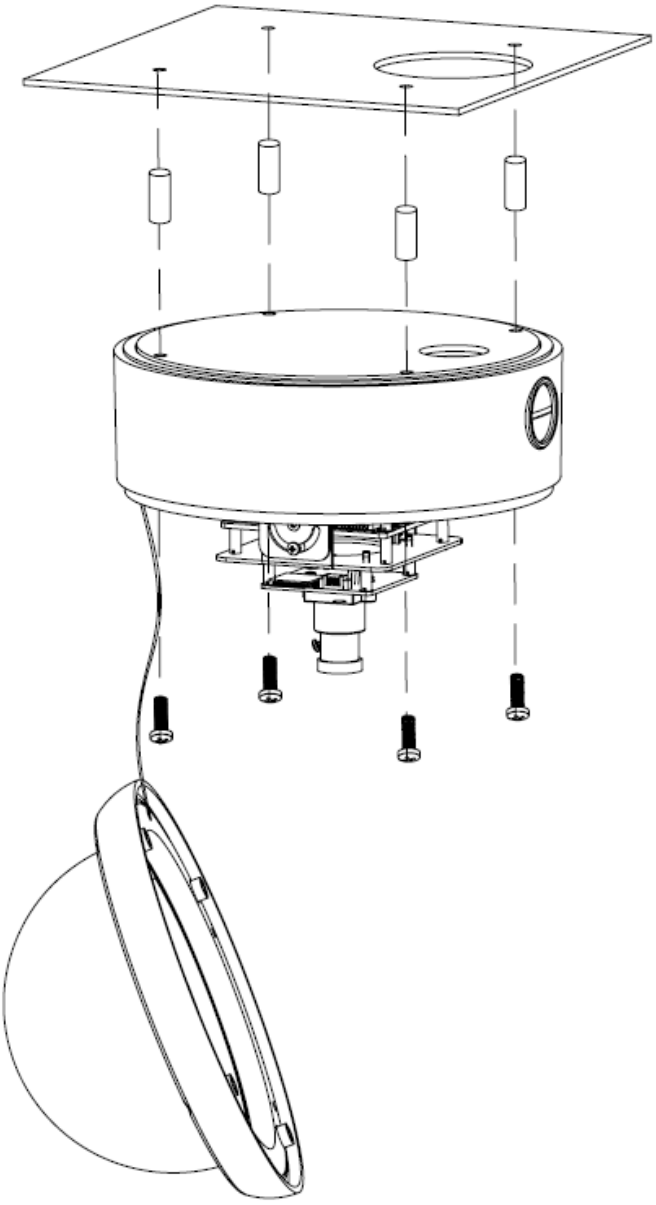

Figure 3-2

Step 4

Put the dome cover back and then put the four inner hexagon screws into the holes. Use the inner hexagonal wrench to fasten these four screws. See Figure 3-3.

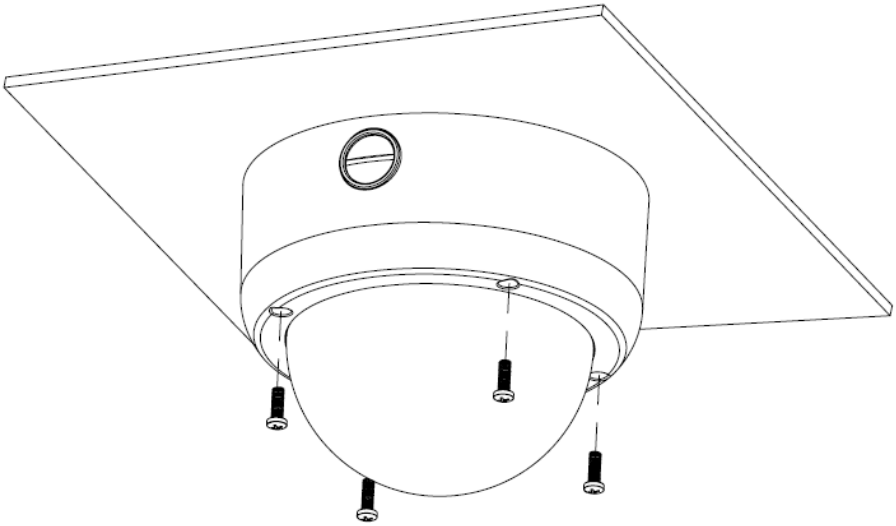

Figure 3-3

3.2 SD Card Installation

Important

Before you install the SD card, please unplug he power cable to shut down the device!

The following installation steps are based on our IR light series product. (IR light is an optional accessory.)

Step 1

Turn counter clockwise to loose the four secure screws in the dome cover, and then turn the cover to remove it. See Figure 3-4.

Figure 3-4

Step 2

Turn the internal component module up so that you can see the SD socket is facing your. See Figure 3-5.

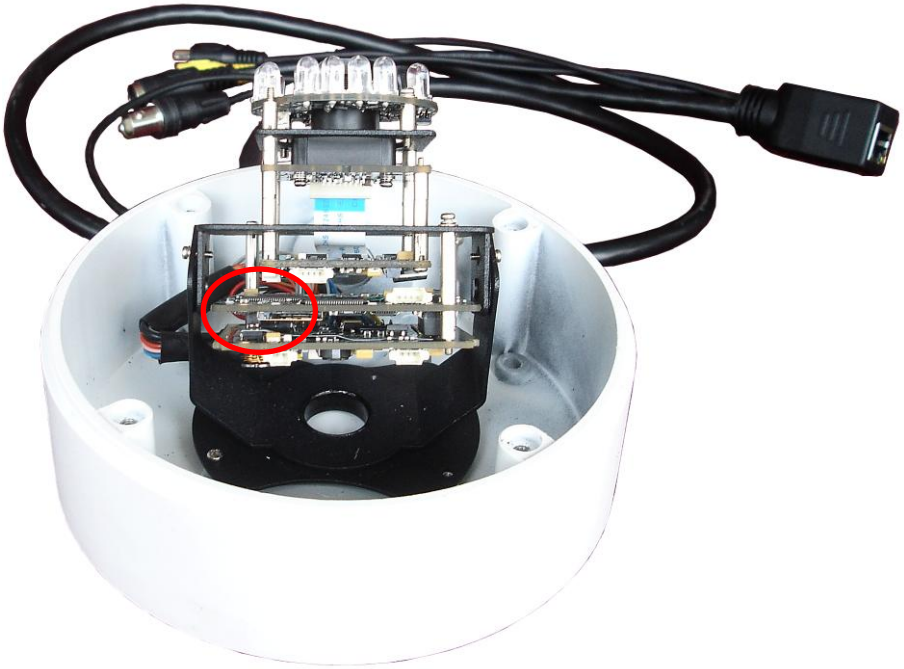

Figure 3-5

Step 3

Insert the SD card to the socket properly. See Figure 3-6.

Figure 3-6

Step 4

After you installed the Micro SD card, please turn the device internal component module horizontally. Then you can put the cover back.

Secure the four screws firmly to fasten the enclosure. See Figure 3-7.

Figure 3-7

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.

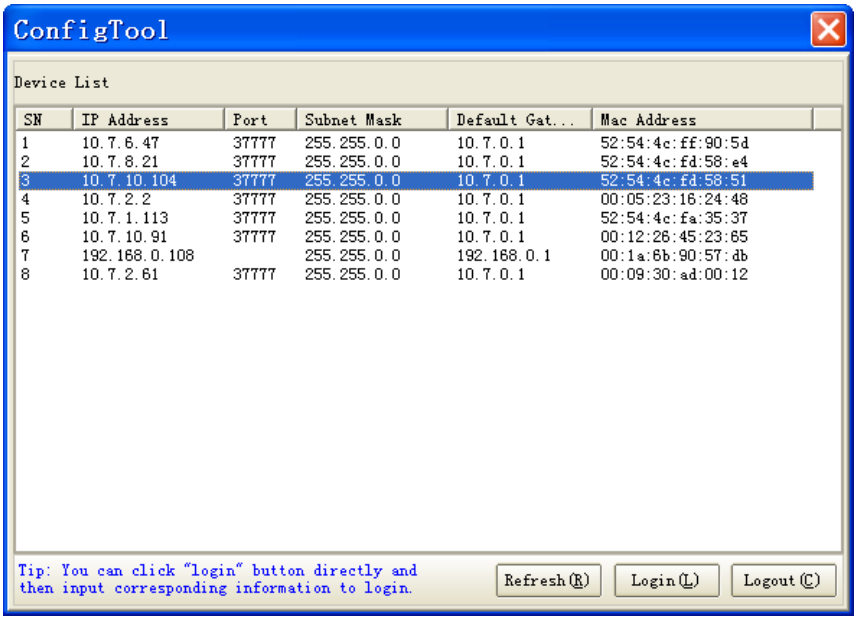

Figure 4-1

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

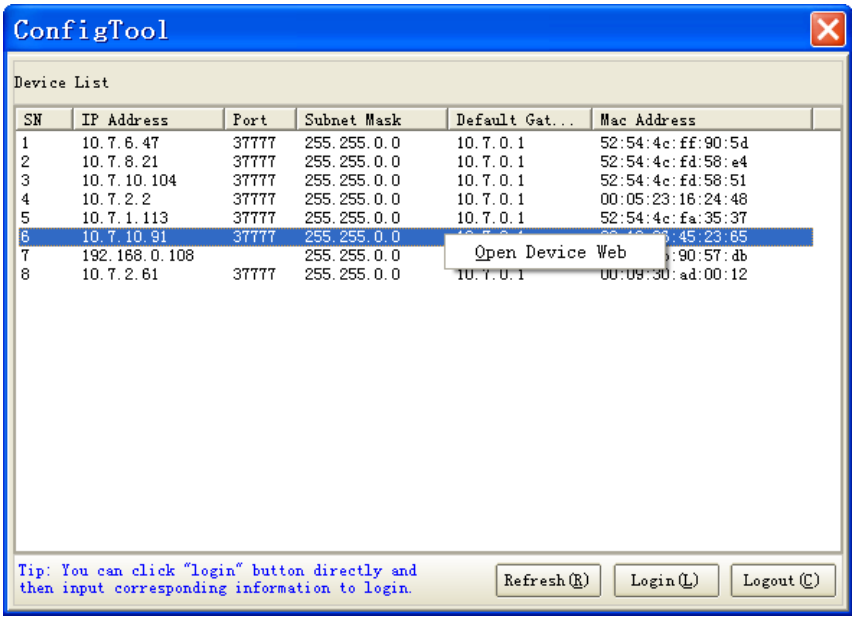

Figure 4-2

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

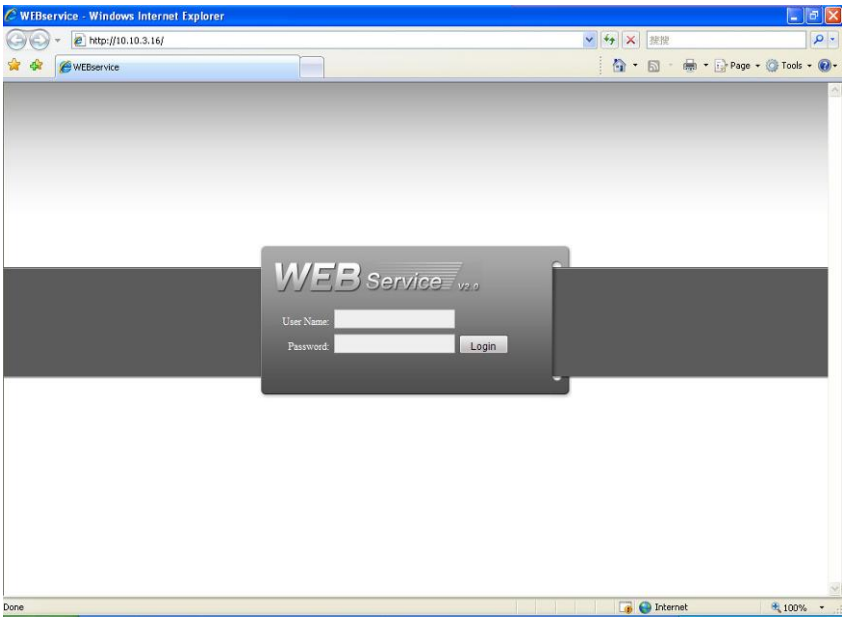

Figure 4-3

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.

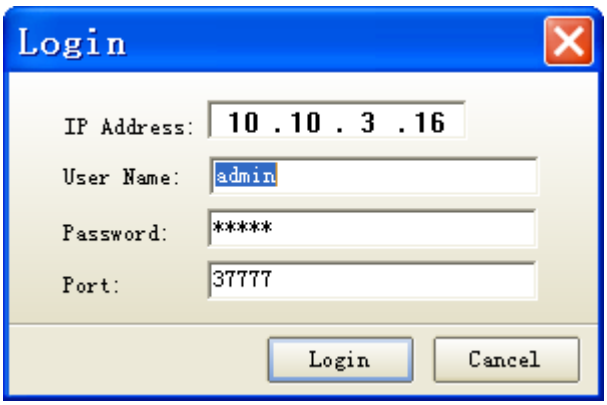

Figure 4-4

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

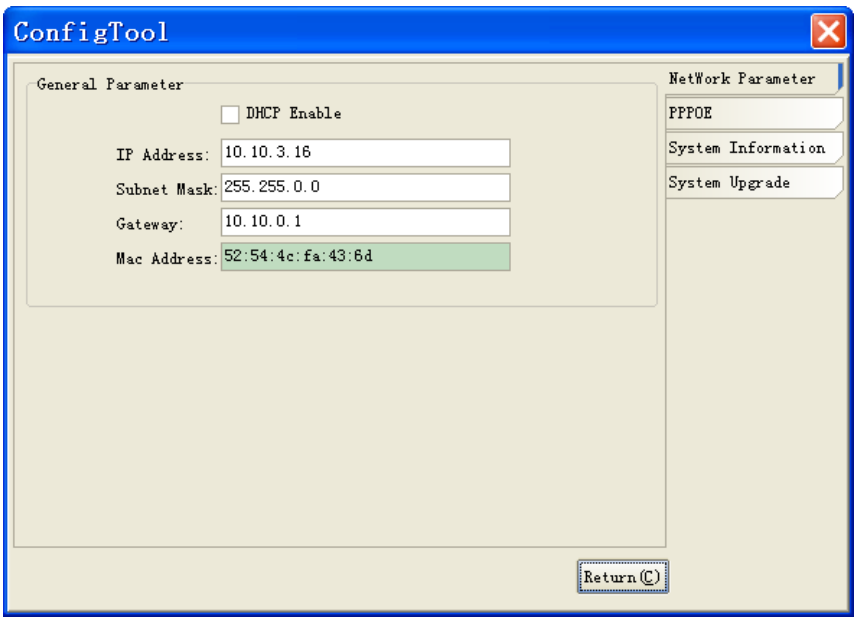
ConfigTool
General Parameter
DHCP Enable
IP Address:
10.10.3.16
Subnet Mask:
255.255.0.0
Gateway:
10.10.0.1
Mac Address:
52:54:4c:fa:43:6d
NetWork Parameter
PPPOE
System Information
System Upgrade
Return(C)

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 list, record search, alarm setup, system configuration, PTZ control, monitor window 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.
- IPC IP address and PC IP address shall be in the same network segment. IPC default IP address is 192.168.1.108. If there is router, please set the corresponding gateway and subnet mask.
- 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.

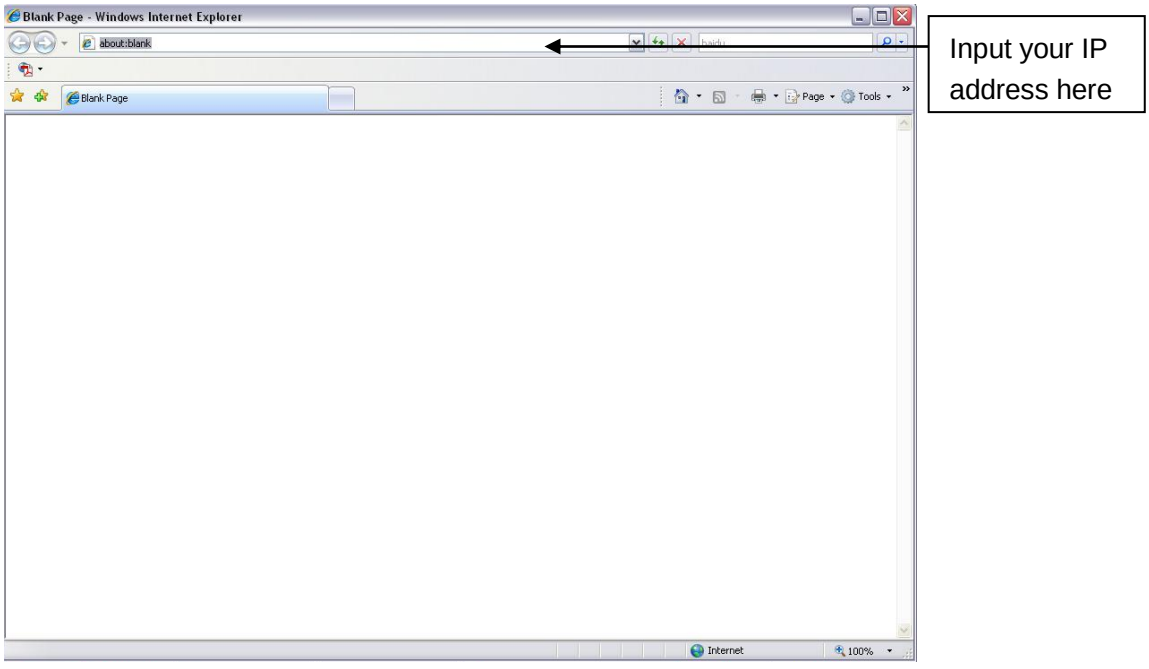

Figure 5-1

System pops up warning information to ask you whether install control webrec.cab or not. 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 5-2.

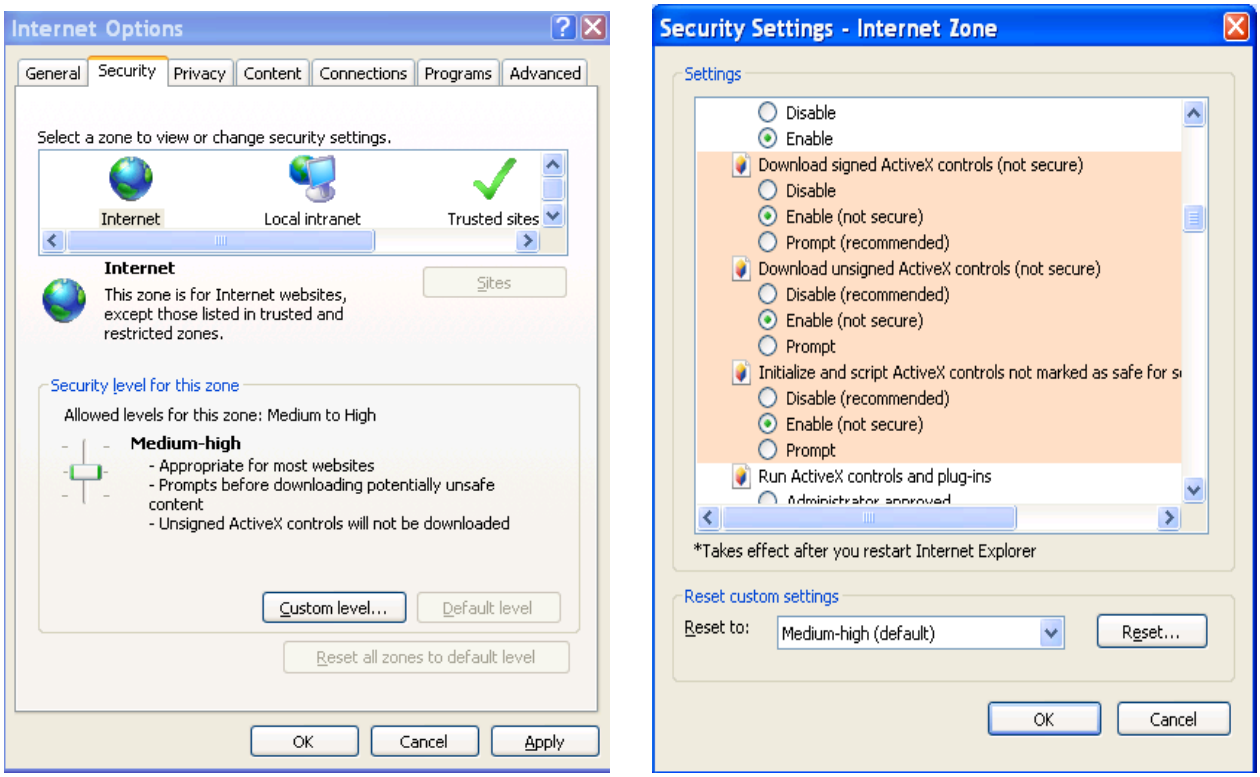

Figure 5-2

After installation, the interface is shown as below. See Figure 5-3.

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.

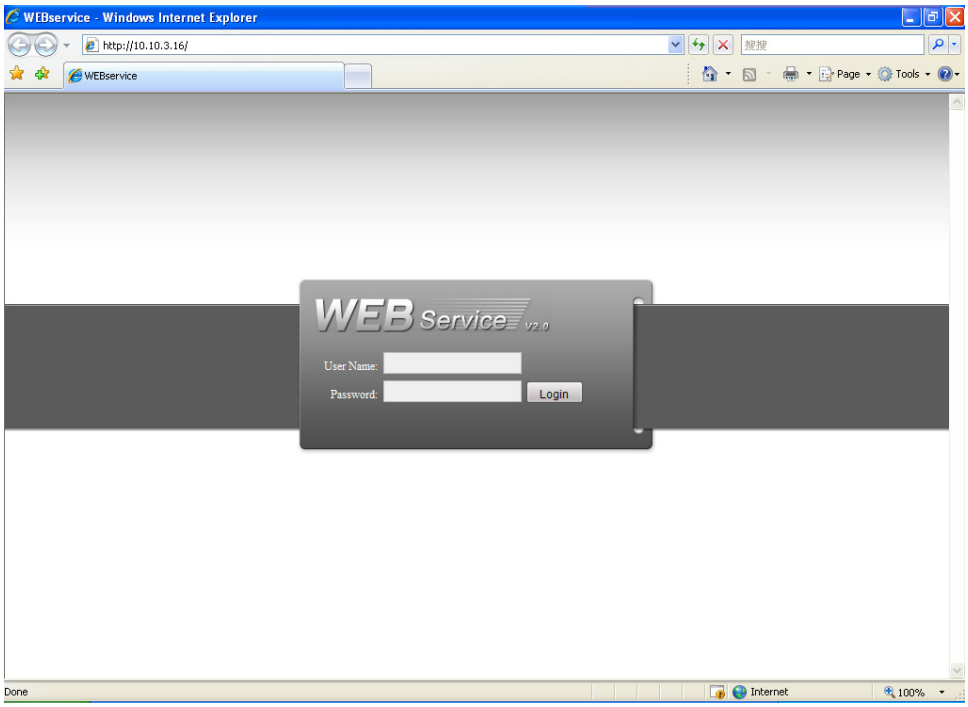

Figure 5-3

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

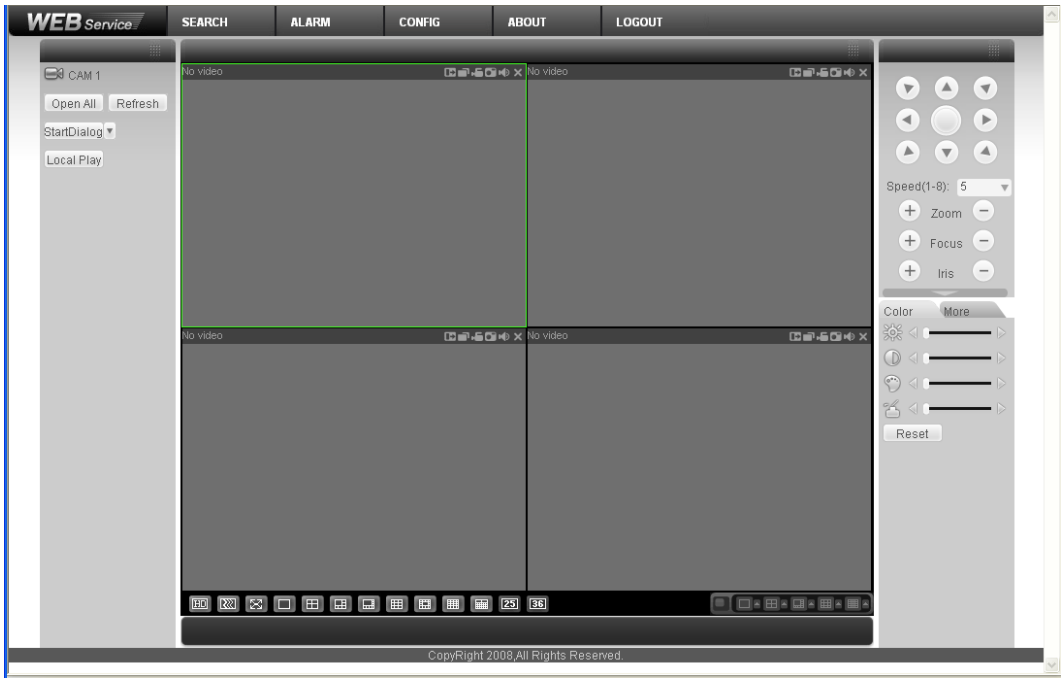

Figure 5-4

Please refer to the *Outdoor IPC Web Operation Manual V1.0* 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) high speed card in case the slow speed results in data loss.
Audio function	Please use active device for the audio monitor input, otherwise there is no audio in the client-end.
To guarantee setup update	After you modified the important setup, please reboot the device via the software to make sure the setup has been updated to the storage medium.
Power adapter	The power adapter included in the accessories bag can work ranging from 0℃ to 40 ℃. The device may result in unstable power supply when the temperature exceeds the working temperature. Please replace an industry-level power adapter if you are using in the harsh environments.

7 Appendix Toxic or Hazardous Materials or Elements

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

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.**