



**Internal IP  
Camera**

**XL-ICA-103**

**Quick  
Installation  
Guide**



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## **Package Content:**

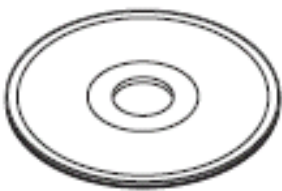
### **1. Indoor camera:**



### **2. Power Adapter: 5VDC, 1A**

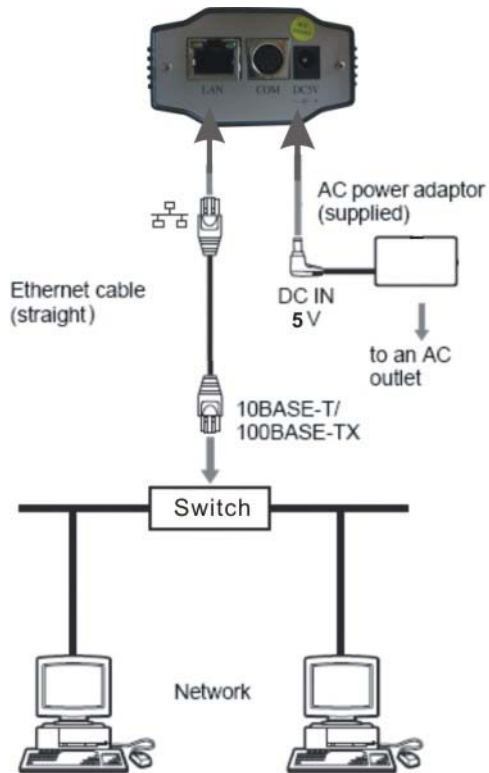


### **3. Utility CD:**



# 1. Installation

## 1-1 Connect XL-ICA-103 to your Local Network



**CAUTION:**  
Please use the DC power adaptor that is provided with the camera. Connecting camera to other power source will cause permanent damage to the camera.

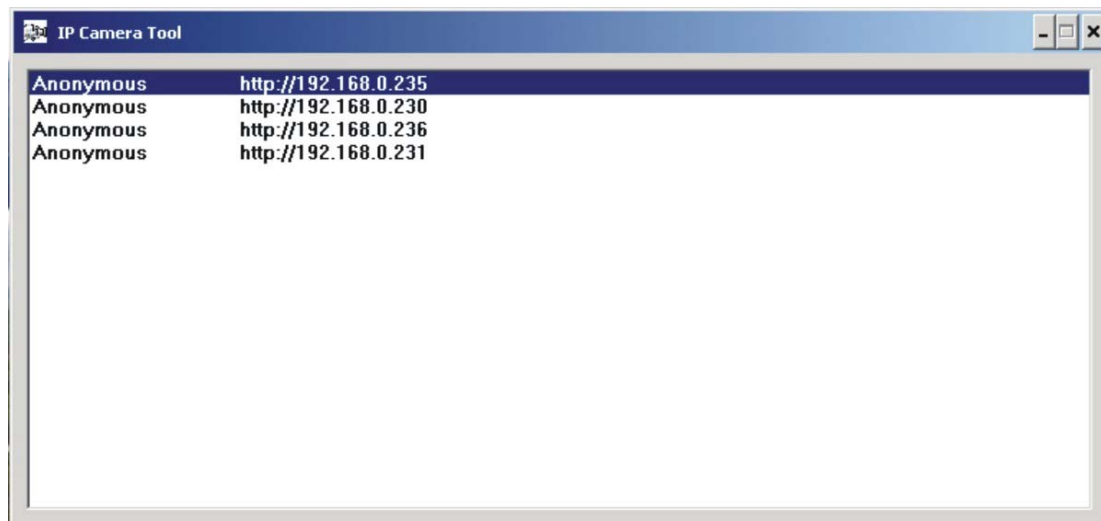
### NOTE:

Please use straight Ethernet cable (CAT. 5e) to connect camera to your home/ office network switch/ hub or a broadband router.

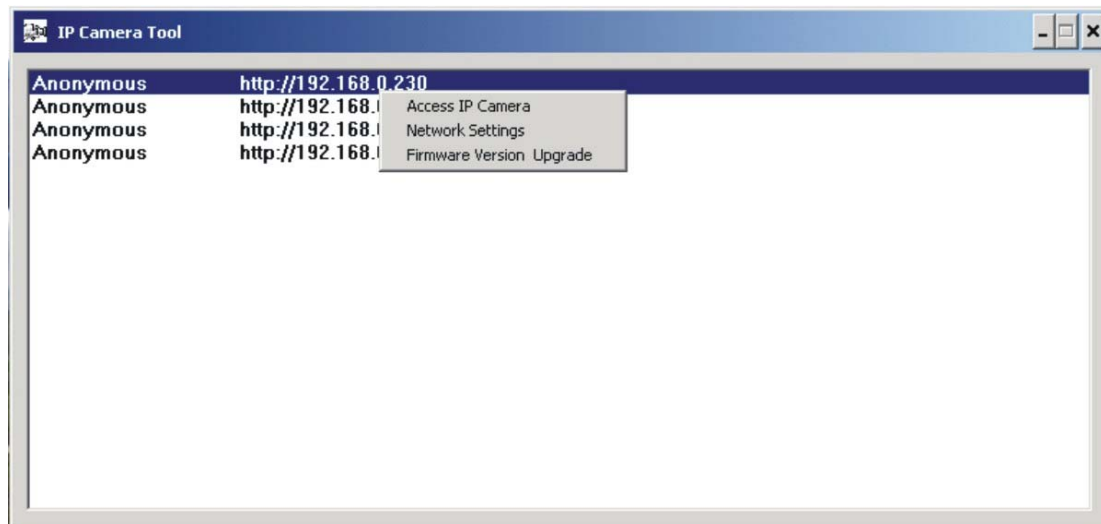
### 1-1-1 There is DHCP Server in your LAN

The camera will get IP from DHCP Server (Factory Setting).

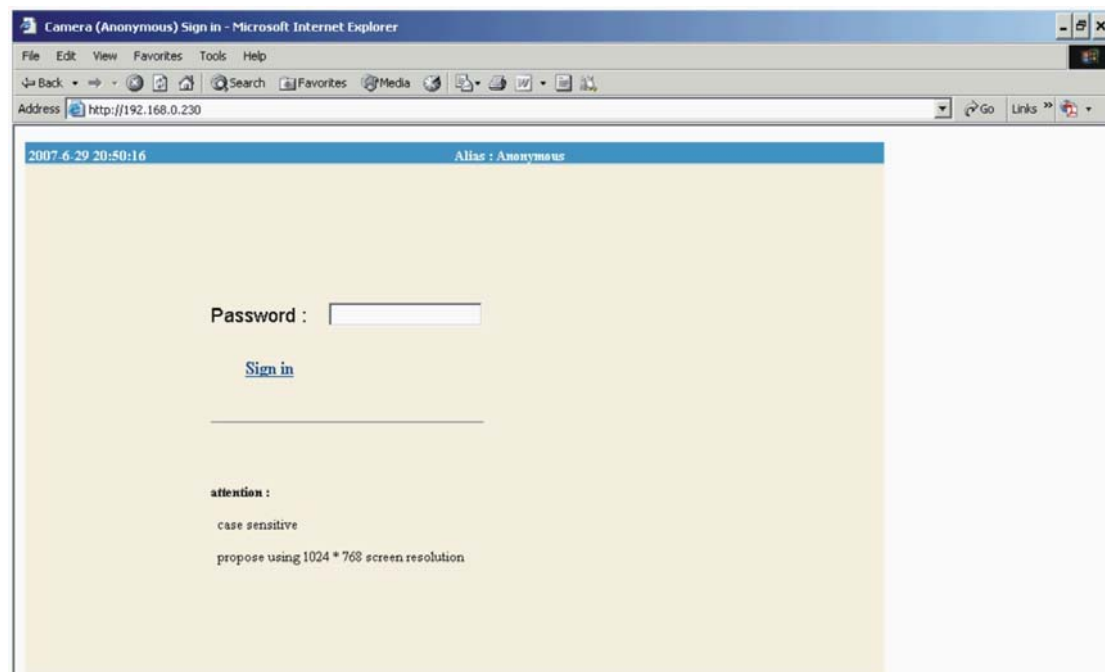
Please use "IP Camera Tool" in Utility CD to search and link to cameras.



“IP Camera Tool” ” in Utility CD will find all the XL-ICA-103 IP cameras in your local network.

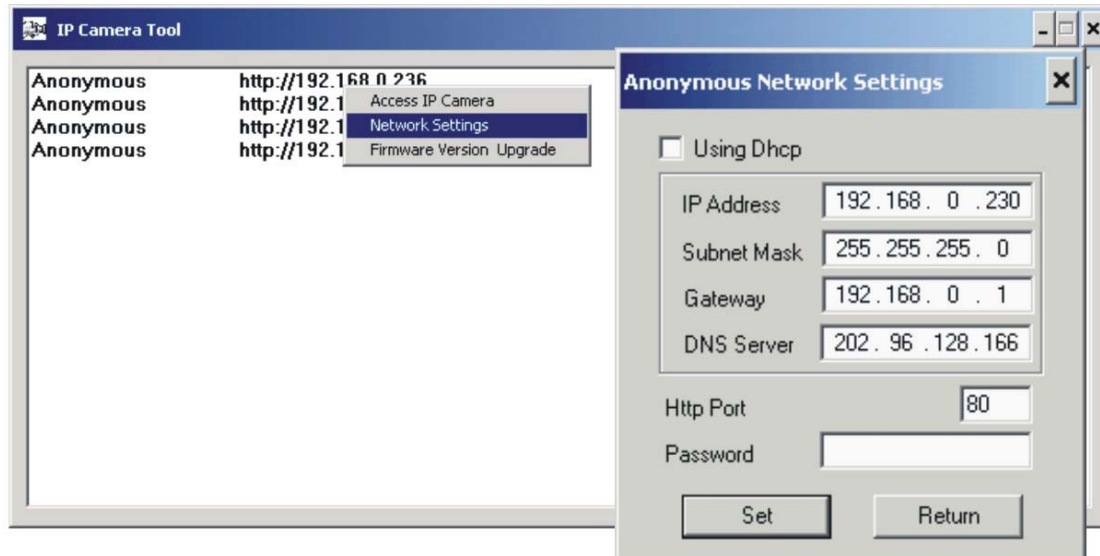


“Double Clicks” or ”Right Click” on the camera you want to connect, choose “Access IP Camera” will bring up IE browser with camera login screen.



Note:

You can choose to modify the camera to fixed IP by Choosing “Network Settings”



**Warning:**

Please consult your office network administrator to get a free IP for your IP Camera, duplicated IP address will cause undesired problems.

Normally you will not need to change the network settings automatically obtained from DHCP server.

Please don't check the "Using Dhcp" in order to use fixed IP address and network settings.

There is no Password set by factory default, please leave the Password field blank as it is.

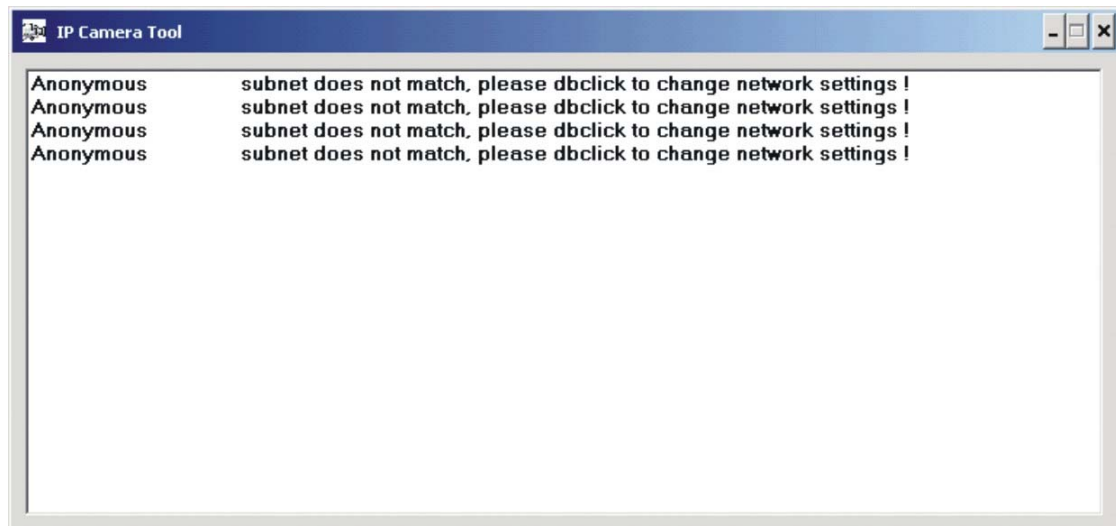


**CAUTION:**

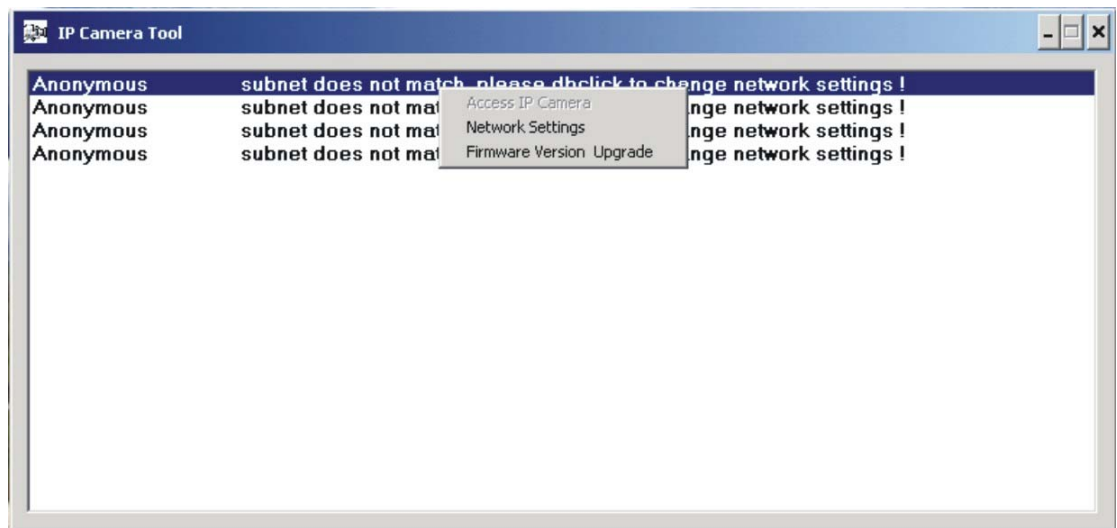
Please always write down the password and keep password in safe place. Please kindly notice, if you forget password you set, you will have to return the camera to manufacturer for recovery, there is no way to reset password of your camera.

**1-1-2 There is not DHCP Server in your LAN**

The camera will not be able to get IP from DHCP Server (Factory Setting). Please use “IP Camera Tool” in Utility CD to search and link to cameras.

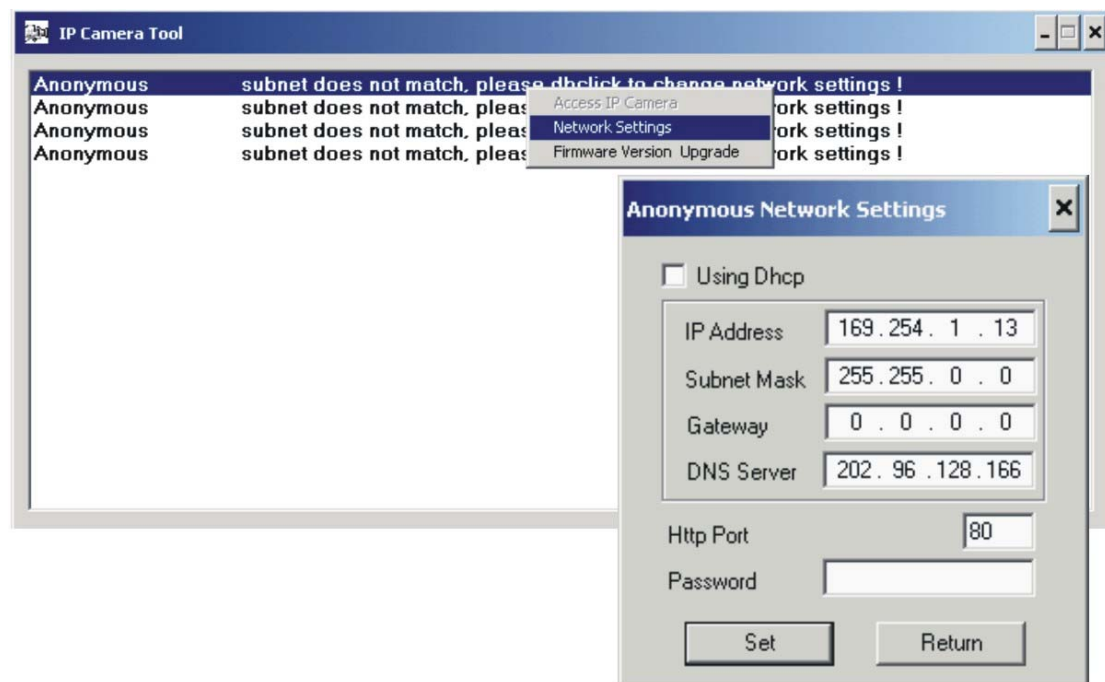


“IP Camera Tool” ” in Utility CD will find all the XL-ICA-103 IP cameras in your local network.

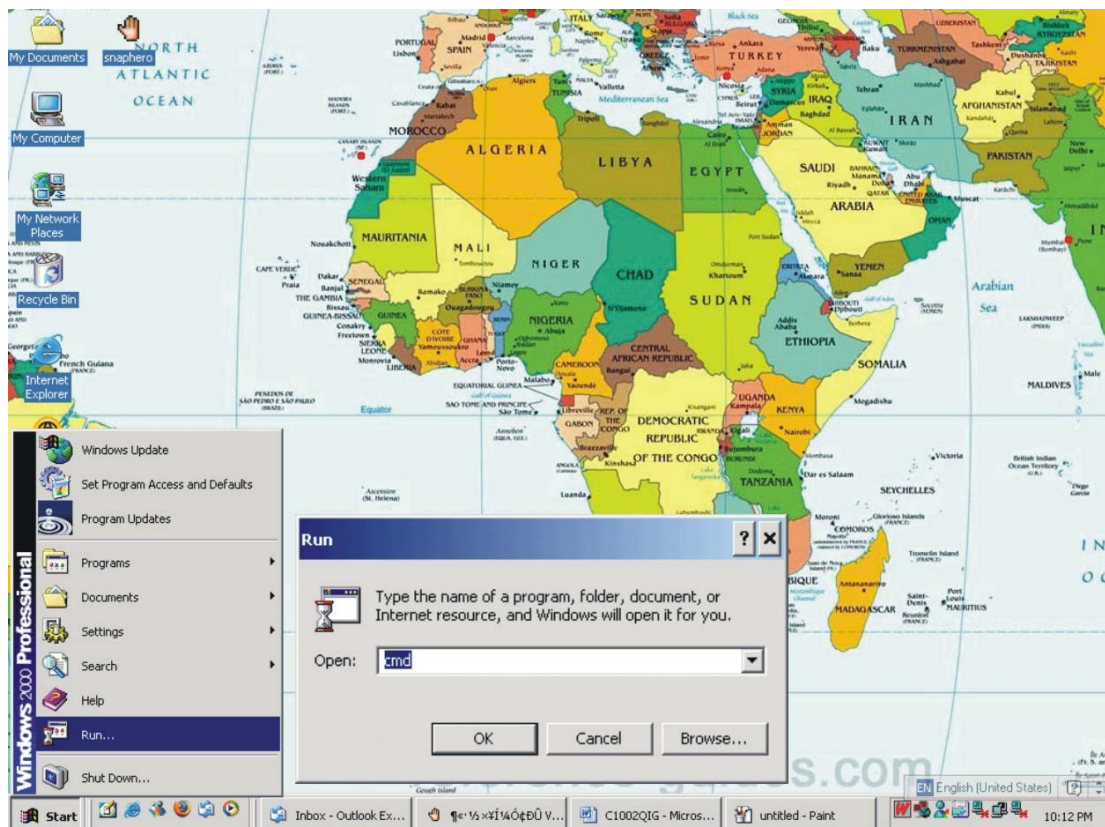


The “Access IP Camera” will be in gray color, you will not able to link to your camera at this step.

You must choose “Network Settings” to set the camera to fixed IP.



Please modify the “IP Address” to the same subnet of your computer.  
Normally the IP should start with “192.168.xxx.xxx”





If you are not sure of your computer IP address, please go to DOS mode  
by : “START” => “RUN” => Open “CMD”  
Type “ipconfig /all” at command prompt,

```

C:\WINNT\system32\cmd.exe
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\Documents and Settings\Administrator>ipconfig /all

Windows 2000 IP Configuration

    Host Name . . . . . : fujitsulifebook
    Primary DNS Suffix . . . . . : 
    Node Type . . . . . : Broadcast
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No
    DNS Suffix Search List. . . . . : domain

Ethernet adapter Local Area Connection 5:

    Connection-specific DNS Suffix . : domain
    Description . . . . . : Intel(R) PRO/100 M Network Connection #2
    Physical Address. . . . . : 00-D0-83-04-C8-ED
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    IP Address. . . . . : 192.168.0.232
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.0.1
    DHCP Server . . . . . : 192.168.0.1
    DNS Servers . . . . . : 168.95.192.1
                             168.95.1.1
    Lease Obtained. . . . . : Sunday, July 29, 2007 9:15:36 PM
    Lease Expires . . . . . : Sunday, July 29, 2007 11:15:36 PM

Ethernet adapter Local Area Connection 4:

    Media State . . . . . : Cable Disconnected
    Description . . . . . : Intel(R) PRO/100 M Network Connection
    Physical Address. . . . . : 00-D0-83-04-C8-EC

Ethernet adapter Local Area Connection 3:

    Media State . . . . . : Cable Disconnected
    Description . . . . . : TAP-Win32 Adapter V8
    Physical Address. . . . . : 00-FF-D0-22-A2-B4

C:\Documents and Settings\Administrator>

```

**Anonymous Network Settings**

☐ Using Dhcp

IP Address: 192.168.0.230

Subnet Mask: 255.255.255.0

Gateway: 192.168.0.1

DNS Server: 202.96.128.166

Http Port: 80

Password:

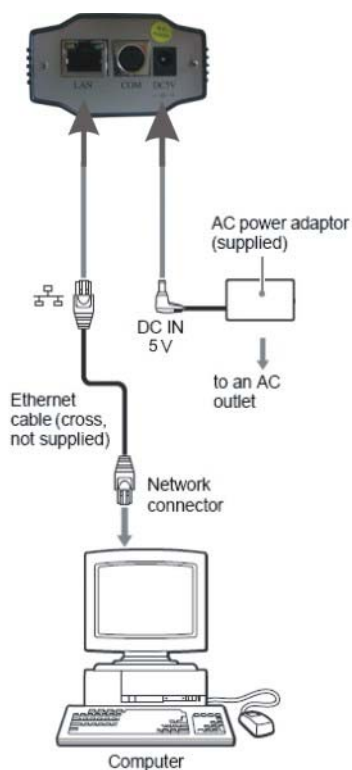
Set Return

You will be able to find you computer network settings.

After input correct network settings, press “Set”

Follow the procedures described in 1-1-1 There is DHCP Server in your LAN

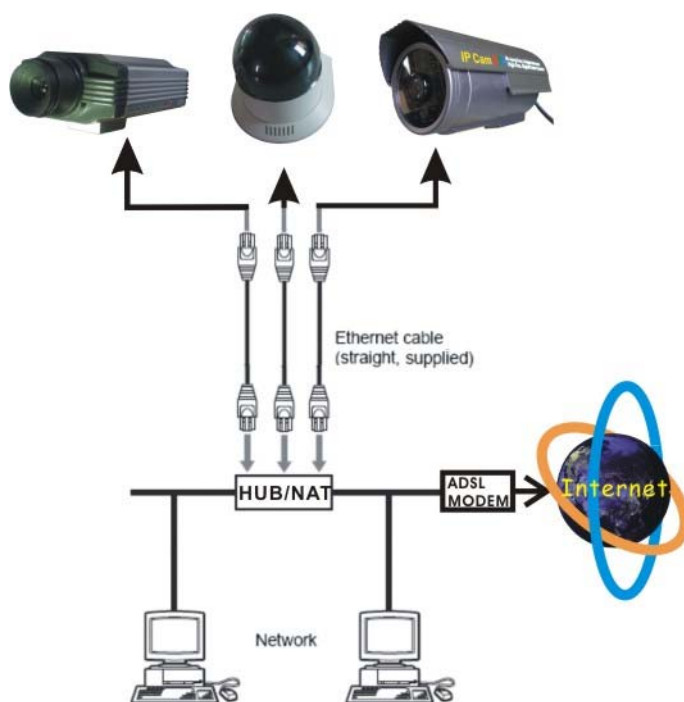
### ***1-2 Connect XL-ICA-103 to your computer directly***



Because there is no DHCP Server available, you have to setup the network settings manually.

Please follow the procedures in previous sections (1-1-2) to link to your camera.

### ***1-3 Connect XL-ICA-103 to Internet***



Connect IP Camera to your broadband router or NAT gateway.

Do the following setup:

1. Setup Virtual Server/ forward port on your router to camera,
2. or set router DMZ to your IP Camera IP,
3. Obtain DDNS service from DynDNS if you don't have fixed public IP,
4. Setup DDNS account information to your camera

**5. Access camera URL through Internet.**

**Example:**

**[http://your\\_camera.dyndns.org:port](http://your_camera.dyndns.org:port)**

**Please reference more details of Router & DynDNS setup on Reference User's Manual.**

## 2. Software Installation

### 2.1 Utility CD.

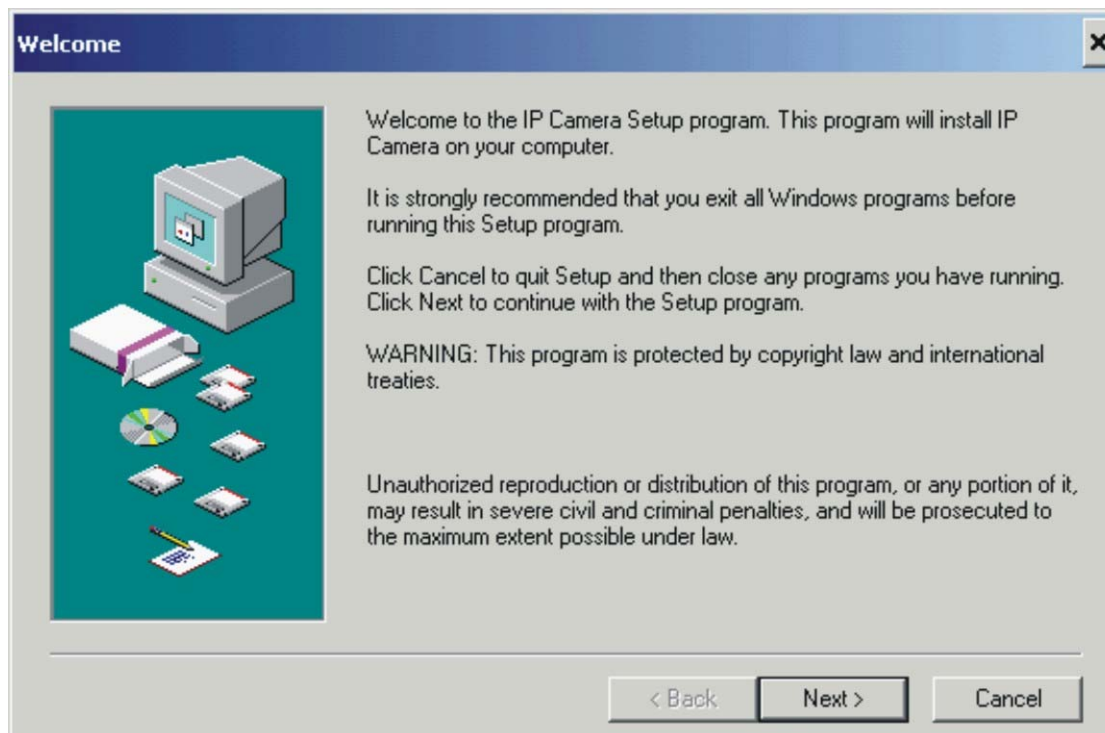
Please insert the “Utility CD” into your CD-ROM drive, auto-run program will start and below screen will guide you through installation.



To install software and ActiveX plug-in

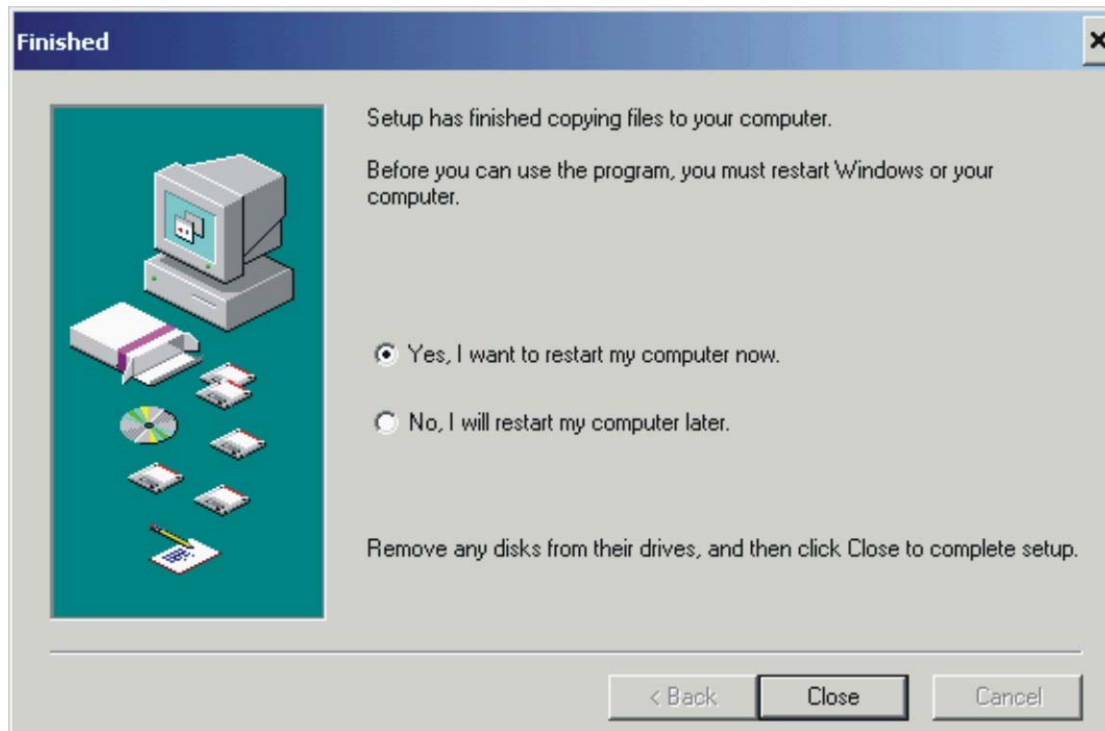
Please click on the “Install 1st” tab to install software and ActiveX plug-in.





Click on "Next",



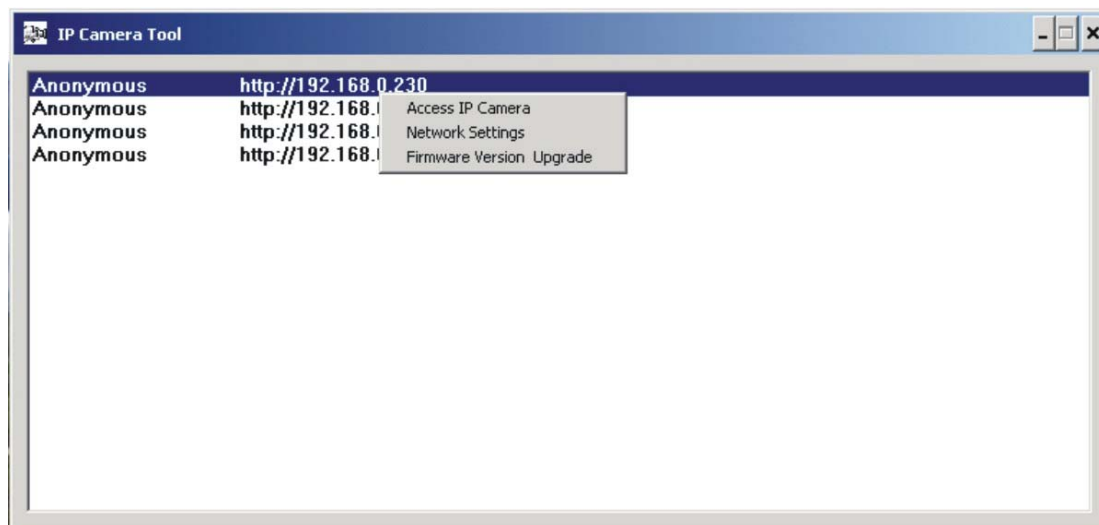


Click on “Close”,



The IP Camera search utility software icon will display on your desktop.

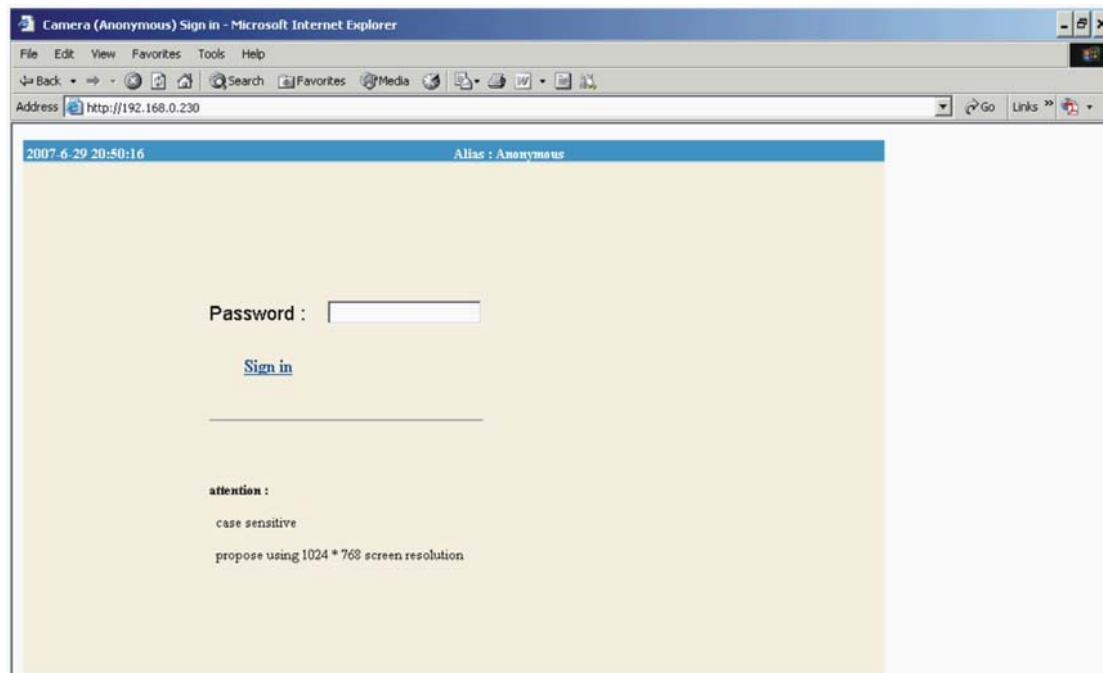
Click on the “IP Camera Tool” tab to search XL-ICA-103 IP cameras in your local network.



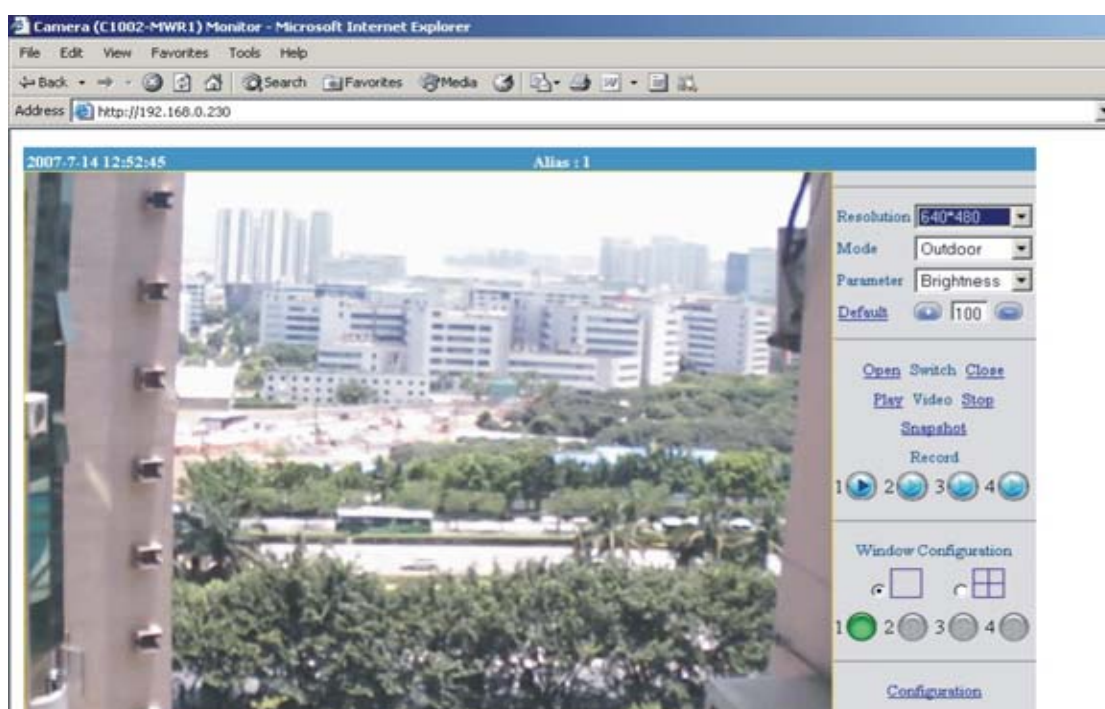


## 2.2 Login & Access Camera video

“Double Clicks” or ”Right Click” on the camera you want to connect, choose “Access IP Camera” will bring up IE browser with camera login screen.



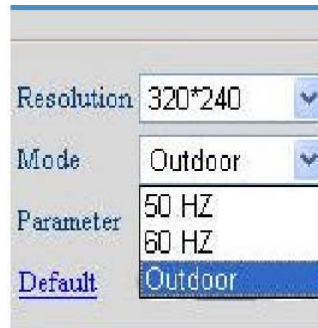
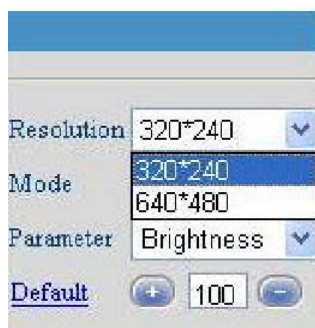
There is no Password set by factory default, please leave the Password field blank as it is. Click on “[Sign in](#)” tab



Note:

1. XL-ICA-103 IP camera will required a Microsoft Windows based PC with Media Player 7.0 or later installed.
2. If the video don't start, please reference the "ActiveX\_Security\_Setup" manual.
3. If you see only white screen and your camera is in outdoor or expose to strong light, please change the "Mode" to "Outdoor".
4. If you see flickers on video and your camera is installed indoor, please change the "Mode" to "50Hz" or "60Hz" according to the electricity of your country.

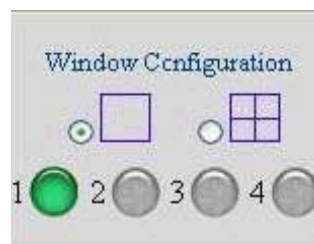
### Description of Monitoring Page



Resolution : QVGA ( 320x240 ) / VGA ( 640x480 )

Working environment Mode : indoor / outdoor ( 50Hz/ 60Hz)

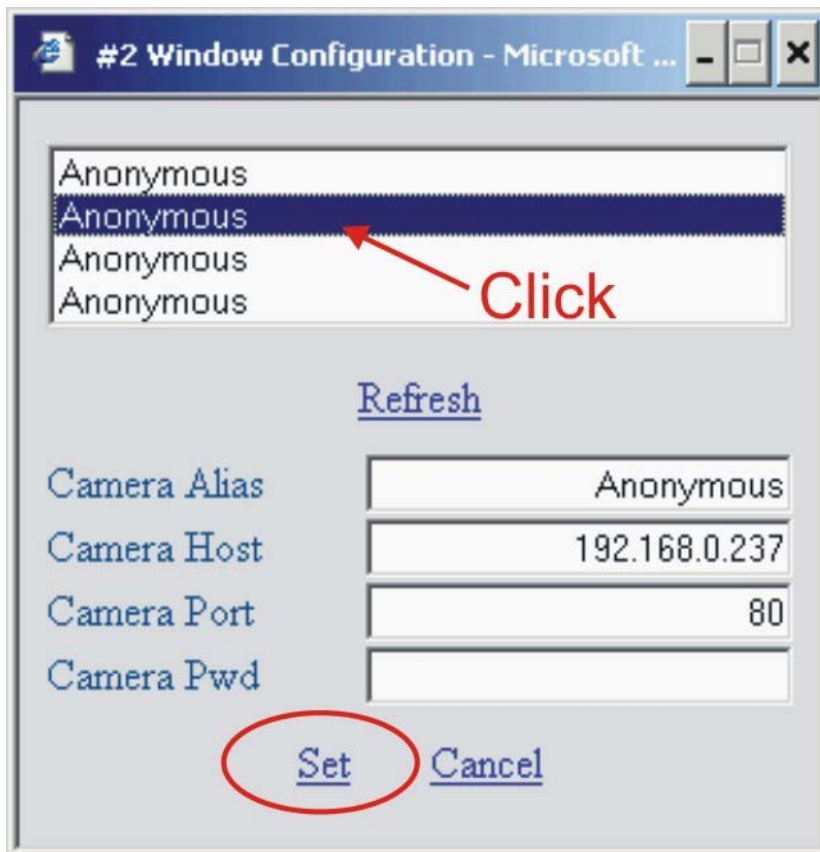
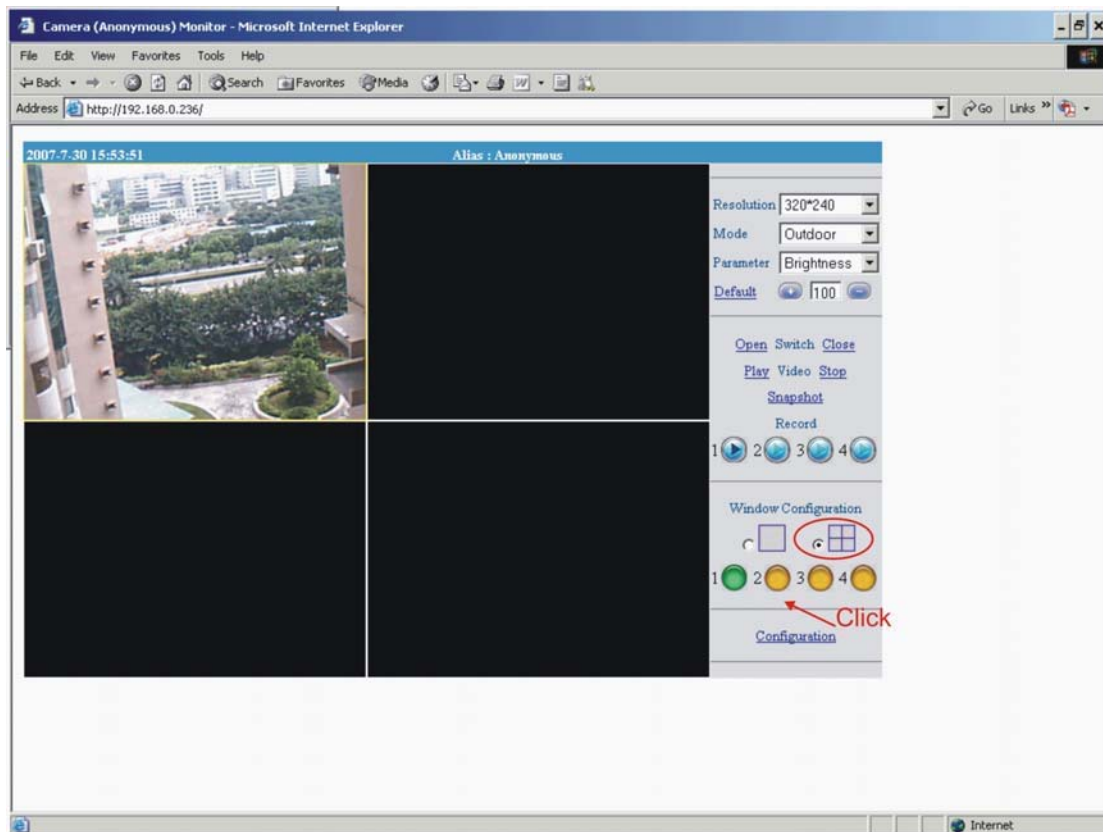
Photo parameter modulation : Brightness, Contrast, Sharpness, Rate



Exterior alarm I/O Scout menu : "Snapshot" and "Record" Scout window setting :

1. May only see currently window
2. May increase 3 IP camera, real-time view picture in four windows as below





## 2.3 Configuration Page

Camera XL-ICA-301 Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS Feeds

Address  Go Links

Google  19 已開載 拼字檢查 翻譯 傳送到 設定

2007-9-10 18:46:37 Alias : 1

### Basic Setting

Camera Clock Time

Camera Alias

Password

Confirm Password

### Networking Setting

☒ Using DHCP

IP Address

Subnet Mask

Gateway

DNS Server

Http Port

☒ Using Wi-Fi [Wi-Fi Configuration](#)

☒ Auto Map Port by UPnP

☐ Using Adsl Dialup

Adsl User

Adsl Password

☐ Report Adsl IP by Mail

### Alarm Setting

☒ Image Motion Detect

☒ External Sensor Detect

☒ Alarm Notify by Mail

### DDNS Setting

DDNS Service

DDNS User

DDNS Password

DDNS Host

Proxy Server

Proxy Port

DDNS Status

### Smtp Setting

Sender

Receiver

Smtp Server

☒ Need Authentication

Smtp User

Smtp Password

### FTP Setting

[Refresh](#) [Set](#)  
[Adjust Camera Clock](#)  
[Reset to Factory Setting](#)  
[Reboot Camera](#)  
[Restart DynDns Service](#)  
[Guide of Oray.net](#)  
[Monitor Camera](#)

Trusted sites

### 2.3.1 Basic Setting

Camera Alias : Input the camera name for you to recognize.

Password and Confirm Password: password used to login the IP Camera  
( Default is blank )



**CAUTION:**

**Please always write down the password and keep password in safe place. Please kindly notice, if you forget password you set, you will have to return the camera to manufacturer for recovery, there is no way to reset password of your camera.**

### 2.3.2 Networking Setting

Factory default the “Using DCHP” is chosen, the IP Camera will try to get IP address automatically from DHCP SERVER of your network.

You can also configure the IP address manually.

**IP:** enter the IP address assigned.

**Mask:** Enter the subnet mask. The default is 255.255.0.0

**Gateway:** Enter IP gateway.

**DNS:** Enter DNS IP address provided by your ISP (Internet service provider).

**Http Port:** Enter the input port number, default as 80.

If IP camera connects with ADSL directly, chose Using ADSL Dialup, enter ADSL dialup user and password

**Using Wi-Fi :** Only for wireless IP Camera, you must set correct **SSID** and **WEP Key** (If your Wi-Fi AP enables WEP encryption)

### 2.3.3 Alarm Setting

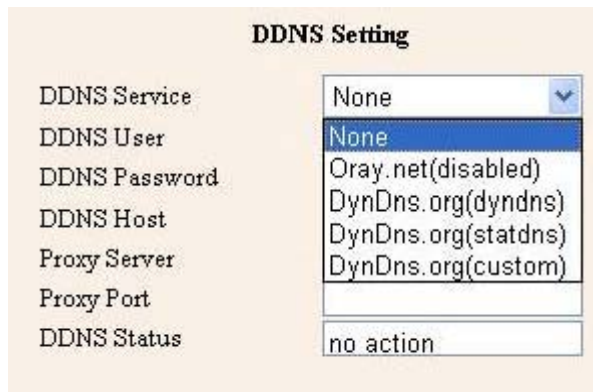
**Image Motion Detect:** Motion object will trigger alarm, emails and FTP upload to server will start to send snapshots for one minute

**External Sensor Detect:** When the alarm in pins from “NO” to “close” will trigger alarm.

**Alarm Notify By Mail :** Sent alarm email to assigned email box which includes snapshot picture

**Alarm Notify By FTP :** Upload snapshot pictures to pre-assigned FTP server folder.

### 2.3.4 DDNS Setting:



DDNS Setting	
DDNS Service	None
DDNS User	None
DDNS Password	
DDNS Host	
Proxy Server	
Proxy Port	
DDNS Status	no action

**DDNS Setting:** XL-ICA-103 IP camera supports protocols from two DDNS providers:

1. Oray.net
2. Dyndns.org

Domain Name: the second-level name you apply for and acquire at Oray.net or Dyndns.org, please read more details in “**Reference User’s manual**”

**User and Password:** the user name and password when applying for the DDNS service.

### 2.3.5 SMTP Configuration (E-mail):

Users can assign the e-mail boxes to receive and send mails.

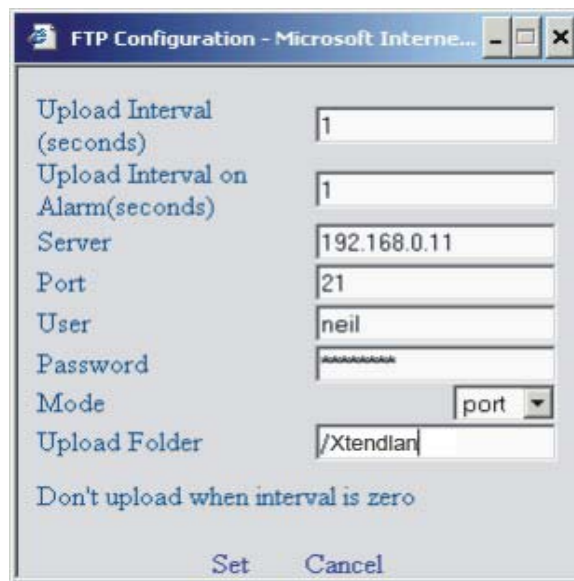
The e-mail box is used for receiving the snapshots sent after alarm and the public wan IP address after successful dial-up.

**Note:**

Remember to input your **SMTP account and password** if your SMTP server requires authentication.

Make sure the **DNS Server** and **Gateway** settings are correct if you don’t choose **DHCP** and setup “**Networking Settings**” manually.

### 2.3.6 FTP Setting:



The screenshot shows a dialog box titled "FTP Configuration - Microsoft Internet Explorer". It contains several configuration fields:

- Upload Interval (seconds): 1
- Upload Interval on Alarm(seconds): 1
- Server: 192.168.0.11
- Port: 21
- User: neil
- Password: [masked]
- Mode: port (dropdown menu)
- Upload Folder: /Xtendlan

Below the fields, there is a checkbox labeled "Don't upload when interval is zero". At the bottom, there are two buttons: "Set" and "Cancel".

**Note:**

**The Upload folder must be created before successful files upload. Remember to add "/" before folder name**

## Appendix

### *A. Rear Panel*



**LAN:** RJ-45/10-100 Base T

**COM:**

- 1, 4: GND
- 2: TX RS-232
- 5: ALM Input
- 6: Relay, ALM Output
- 2, 7: RS-232 only for test
- 7: RX RS-232
- 8: ALM GND
- 3: +5V ( 100mA ) Voltage Output

**DC5V:** 5V/1A Power supply

## ***B. Technical Data***

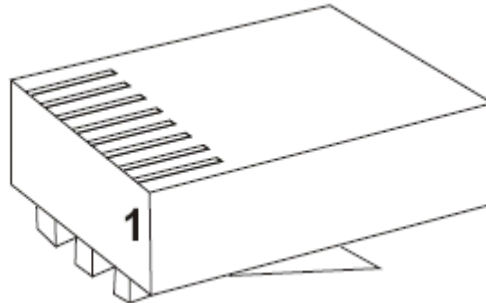
### **Image System**

- **Compression: Motion JPEG hardware compression**
- **350,000 pixels CMOS sensor**
- **f: 6.0mm to infinity, C/CS mount lens**
- **Min. 2.0 to 3.0 Lux**
- **Automatic Exposure Control**
- **Automatic Gain Control**
- **Automatic Brightness Control**
  
- **Automatic White Balance**
- **Flicker Avoidance (Flicker less)**
- **Resolution: QVGA (320 x 240) VGA (640 x 480)**
- **Image Frame Rate:**
  - Max. 25 fps at QVGA resolution, average 4 Mbps/sec**
  - Max. 15 fps at VGA resolution, average 4 Mbps/sec**
- **I/O Interface**
  - CAT5, RJ-45 x1 (802.3)**
  - Alarm in, Alarm out**
  - RS-485 for PTZ control**
- **Network Protocols**
  - TCP/IP, HTTP, ARP, ICMP, PPPoE, DHCP, SMTP, DDNS, FTP Client**
- **IE6**
- **Mechanical & Environment**
  - Dimensions (mm, L x H x W): 135 x 45 x 68**
  - Weight (g): 350**
  - Power Requirement: 5 V / 0.3A**
  - Operation Temp: 5 °C to 50 °C (40 °F to 122 °F)**
  - Humidity: Rh10 % to 90 %**

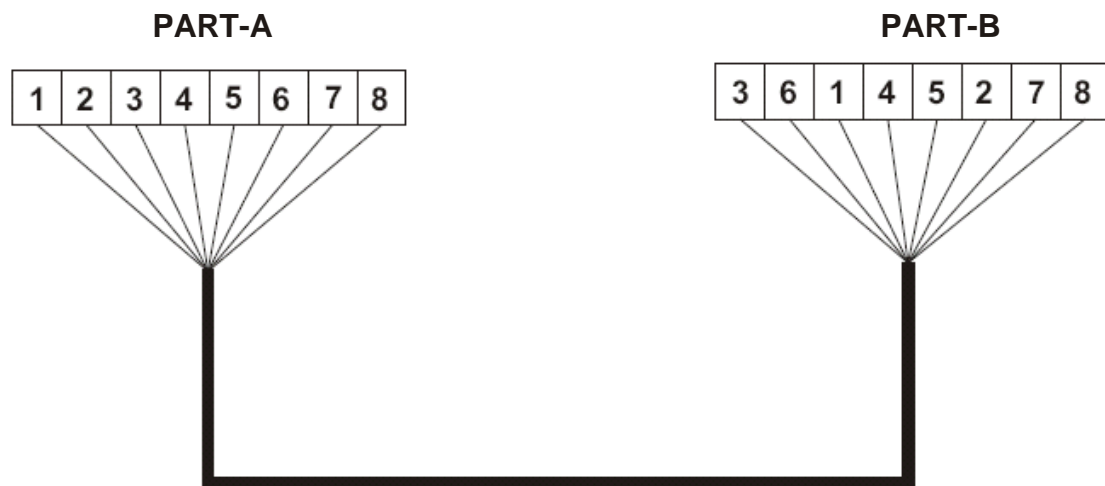
### ***C. Cross Ethernet Cable Making Tip***

#### **I. LAN Plug**

Pin: 1 ~ 8



#### **II. LAN Cable**



#### **III. Connection Method**

- Connect LAN Cable Part-A and LAN plug by order as one to one .
- Connect to LAN cable Part-B & Part-A, Replace order No.1 & 3, No.2 & 6.
- Connect LAN cable Part-B No. 3 to LAN plug No. 1 and connect the next by order.