

**IP Camera** 

# XL-ICA-301

Quick

Installation

Guide



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# Package Content:

1. Outdoor camera:



2. Power Adapter: 5VDC, 1A



3. Utility CD:



# 1. Installation



#### 1-1 Connect XL-ICA-301 to your Local Network

# **CAUTION:**

Please use the DC power adapter that is provided with the camera. Connecting other camera to will power source cause permanent damage the to 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		- 🗆 ×
Anonymous Anonymous Anonymous Anonymous	http://192.168.0.235 http://192.168.0.230 http://192.168.0.236 http://192.168.0.231	

"IP Camera Tool" " in Utility CD will find all the XL-ICA-301 IP cameras in your local network.

ł	🏚 IP Camera Tool		- 🗆 ×
	Anonymous Anonymous Anonymous Anonymous	http://192.168.0.230           http://192.168.1         Access IP Camera           http://192.168.1         Network Settings           http://192.168.1         Firmware Version Upgrade	

"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.

2 Camera (Anonymous) Sign in - Microsoft Internet Explorer	_ 8 ×
File Edit View Favorites Tools Help	98
↓=Back • → • ③ ② ④ ④ ②Search @Favorites ③Media ③ ⑤ • ④ Ⅳ • ■ 🔍	
uddress 🙋 http://192.168.0.230	💌 🖓 Go Links » 👘 🔻
2007-6-29 20:50:16 Alias : Anonymous	
Password :	
Sign in	
attention :	
case sensitive	
propose using 1024 * 768 screen resolution	

Note:

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

찯 IP Camera Tool			- 🗆 ×
Anonymous Anonymous	http://192.168.0.236 http://192.1 Access IP Camera	Anonymous Network Settings	×
Anonymous Anonymous	http://192.1 Network Settings http://192.1 Firmware Version Upgrade	Using Dhop	
		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	



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		_ 🗆 🗡
Anonymous Anonymous Anonymous Anonymous	subnet does not match, please dbclick to change network settings ! subnet does not match, please dbclick to change network settings ! subnet does not match, please dbclick to change network settings ! subnet does not match, please dbclick to change network settings !	

"IP Camera Tool" " in Utility CD will find all the XL-ICA-301 IP cameras in your local network.

🙀 IP Camera Tool				- 🗆 ×
Anonymous	subnet does not mate	h_please_dhclick to cl	nge network settings !	
Anonymous	subnet does not mat	Access IP Camera	nge network settings !	
Anonymous	subnet does not mat	Network Settings	nge network settings !	
Anonymous	subnet does not mat	Firmware Version Upgrade	nge network settings !	

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.

🙀 IP Camera Tool	E. S. Martin B. S	
Anonymous Anonymous Anonymous Anonymous	subnet does not match, pleas subnet does not match, pleas subnet does not match, pleas subnet does not match, pleas	Access IP Camera     ork settings !       Network Settings     ork settings !       Firmware Version Upgrade     ork settings !
		Anonymous Network Settings
		IP Address 169.254.1.13
		Subnet Mask         255.255.0.0           Gateway         0.0.0.0
		DNS Server 202. 96.128.166
		Password
		Set Return

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 Connectio #2 Ethernet adapter Local Area Connection 4: Media State . . . . . . . . . : Cable Disconnected Description . . . . . . . . : Intel</br/>R> PRO/100 M Network Connectio Ethernet adapter Local Area Connection 3: Media State . . . . . . . . . : Cable Disconnected Description . . . . . . . . . : TAP-Win32 Adapter U Physical Address. . . . . . . : 00-FF-D0-22-A2-B4 **U8** C:\Documents and Settings\Administrator>\_

nonymous Network Settings			
🔲 Using Dhop			
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-301 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-301 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

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.

IP Camera Setup	
	Starting IP Camera Setup. Please wait



#### Click on "Next",

Setup	×
Copying file: C:\WINNT\system32\IPCamera.exe	
Cancel	
This installation was created with Installer VISE from MindVision Software http://www.mindvision.com	



Click on "Close",



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

Click on the "IP Camera Tool" tab to search XL-ICA-301 IP cameras in your local network.

		- 🗆 ×
http://192.168.0.	230	
http://192.168. http://192.168. http://192.168.	Access IP Camera Network Settings Firmware Version Upgrade	
	http://192.168.0. http://192.168.1 http://192.168.1 http://192.168.1	http://192.168.0.230 http://192.168.1 Access IP Camera http://192.168.1 Network Settings http://192.168.1 Firmware Version Upgrade

### 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.

2 Camera (Anonymous) Sign in - Microsoft Internet Explorer	- 5 ×
File Edit View Favorites Tools Help	10 A
↓ Back • → • ③ ② ① ① ②Search @Favorites @Media ③ ◎ • ④ • ● 11	
4ddress 🕘 http://192.168.0.230	💌 (r <sup>2</sup> Go Links » 🦣 🔹
2007-6-29 20:50:16 Alias : Anonymous	
Password :	
<u>Sign in</u>	
affection :	
case sensitive	
propose using 1024 * 768 screen resolution	

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-301 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.

								-
			Resolution	320*240	~	Resolution	320*240	~
Resolution	320*240	~	ressiduer	JZU Z40		Mode	Outdoor	*
Mode	320*240		Mode	Outdoor	~	Parameter	Brightness	~
Parameter	640*480 Brightness	~	Parameter	50 HZ 60 HZ		Default	Brightness Contrast	
<u>Default</u>	100		Default	Outdoor		Open \$	Sharpness Rate	<b>.</b>

#### Description of Monitoring Page

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

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

Photo parameter modulation : Brightness, Contrast, Sharpness, Rate

Open Switch Close	
Play Video Stop	Window Configuration
Snap shot	
Record	
1 🕑 2 🕑 3 🕗 4 🕑	1 2 3 4

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

File Edit View Favorites Tools Help	19 C
↓Back • → • ③ ② ④ ④ @Search @Favorites @Media ③ ⑤• ④ W	• • • •
Address 🗃 http://192.168.0.236/	💌 🖓 Go Unks » 🤁 🔸
2007-57-30 15:53:51 Alias : Anony	Resolution 320*240 Mode Outdoor Parameter Brightness Person Switch Close Play Video Stop Snapshot Record 1 2 2 3 3 4 2 1 1 2 1 2 2 3 3 4 2 1 2 1 2 1 3 1 4 2 1 2 1 3 1 4 2 1 1 2 1 3 1 4 2 1 1 2 1 3 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4

🕘 #2 Window Configuration - Microsoft 💶 🗙			
A			
Anonymous			
Anonymous Anonymous	Click		
	Refresh		
Camera Alias	Anonymous		
Camera Host	192.168.0.237		
Camera Port	80		
Camera Pwd			
Set	Cancel		

# 2.3 Configuration Page

	D Search Aravorites	Aluega A 63. 3		
ess http://wtendian.dy	ndhs.org			🗾 🤗 Go Links " 📆
ogle G-	🗾 開始 🖗 🧔 🥵	<ul> <li>     ☆ 書籤</li> <li>     ◎ 19 已開     </li> </ul>	截 🍧 拼字版查 🗸 👫 翻譯	<ul> <li>◆ ● 傳送到 ◆ </li> <li>● 段気</li> </ul>
07-9-10 18:6:37		Alias : l		
В	asic Setting	Network	ing Setting	
Camera Clock Time	Thursday, January 01	Using DHCP		
Camera Alias	1	IP Address		
Password		Subnet Mask		Refresh Set
Confirm Password		Gateway		Contraction ( ) - Andrew (
		DNS Server		Adjust Camera Clock
Al	arm Setting	Http Port	80	
Image Motion Detect		₩ Using Wi-Fi	Wi-Fi Configuration	Reset to Factory Setting
External Sensor De	tect	Auto Map Port by UP	nP	
Alarm Notify by M	al	Using Adsl Dialup		Reboot Camera
		AdalUser		1000 020 120 12 12
DI	ONS Setting	AdslPassword		Restart DynDns Service
DDNS Service	DunDas ara(dund	Report Adsl IP by Ma	d	Crista al Oran ant
DDNS User	Xtendian			Guide of Oray net
DDNS Password	Addition of the second	Smtp	Setting	Monitor Camera
DDNS Host	xtendian dyndns or	Sender	sales@xtendian.co	AND AND A COMPANY
Proxy Server	Thomaian.uynano.ur	Receiver	sales@xtendian.co	
Proxy Port		Smtp Server	mail.xtendlan.com	
DDNS Status		🔽 Need Authentificatio	n	
		Smtp User	sales	
E	TP Setting	Smtp Password	ANDREAS	

#### 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 Service	None	
DDNS User	None	
DDNS Password	Oray.net(disabled) DynDns.org(dyndns)	
DDNS Host		
Proxy Server	DynDns.org(staturis,	
Proxy Port		
DDNS Status	no action	

**DDNS Setting**: XL-ICA-301 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:

🗿 FTP Configuration - Microsoft Interne 💶 🗙			
Upload Interval	1		
Upload Interval on Alarm(seconds)	1		
Server	192.168.0.11		
Port	21		
User	neil		
Password	AAAAAAAA		
Mode	port 💌		
Upload Folder	/Xtendlan		
Don't upload when int	erval is zero		
Set	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. 0 Lux with IR Leds
- 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
   Network Protocols
- TCP/IP, HTTP, ARP, ICMP, PPPoE, DHCP, SMTP, DDNS, FTP Client
- IE6
  - **Mechanical & Environment**
- Dimensions (mm, L x H x W): 174 x 80 x 72
- Weight (g): 350 / 650 (Indoor/ IR)
- Power Requirement: 5 V / 1A
- 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
  - a. Connect LAN Cable Part-A and LAN plug by order as one to one .
  - b. Connect to LAN cable Part-B & Part-A, Replace order No.1 & 3, No.2 & 6.
  - c. Connect LAN cable Part-B No. 3 to LAN plug No. 1 and connect the next by order.