

LEADTEK

Video Surveillance



CMOS Network Camera Series

Network Surveillance Camera 3615  
&  
Wireless Surveillance Camera 3616

User Manual

## T echnical Support

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*Technical Support* provides services of Leadtek Research Inc. video surveillance product series, including latest firmware/software upgrade, camera lens introduction, PT rotating controls. *Technical Support* will also assist customers with the product installation, hardware and configuration trouble-shooting.

Please visit the website below or mail us via the email address.

- Web site: [www.leadtek.com](http://www.leadtek.com)
- Email: [service\\_ipcam@leadtek.com](mailto:service_ipcam@leadtek.com)

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Provide the following information when warranty repair is required:

1. Model name and production serial number (label begins with a iLj)
2. Date of shipment, P.O. number, sales order number, Leadtek corporation invoice number.
3. Detail description for product issues encountered .

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## Product Features

# P

## roduct Features

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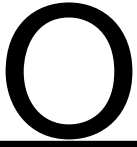
Network Camera can help you to view live surveillance video/audio over Ethernet/Internet. With its compact color CMOS lens 1.3Mega Pixel, MPEG-4/H.263 video and G.711/G.729 audio compression, built-in microphone, two-way audio communication with SIP protocol, the in-time monitoring can be flexibly extended to the Telephony world, such as interoperated with Video Phone/3G mobile etc.

### Key Features

- Compact Color CMOS (1.3M pixel)
- MPEG-4, H.263 video and G.711/G.729 audio compression
- JPEG capture via Motion Detection
- Internet connection compatible with Ethernet
- Built-in web server for remote management
- Bundled VoIP software client SoftPhoneR for portable communication
- Bundled NETCAM management software client for remotely use
- Inter-operation with Video Phone
- Two-way audio transmission
- Flexible installation solution
- 802.11b/g for WIFI standards

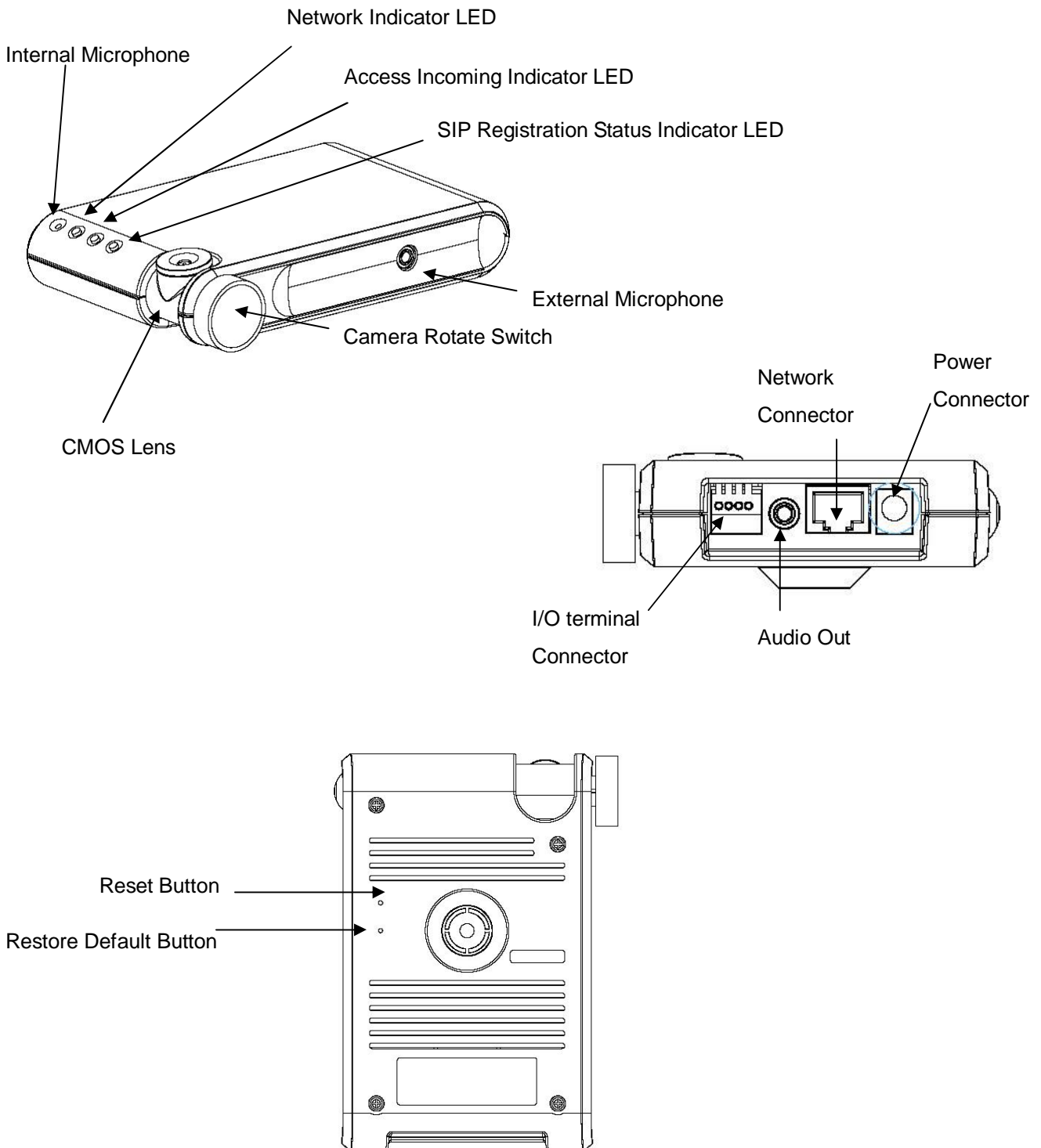


## Product Features



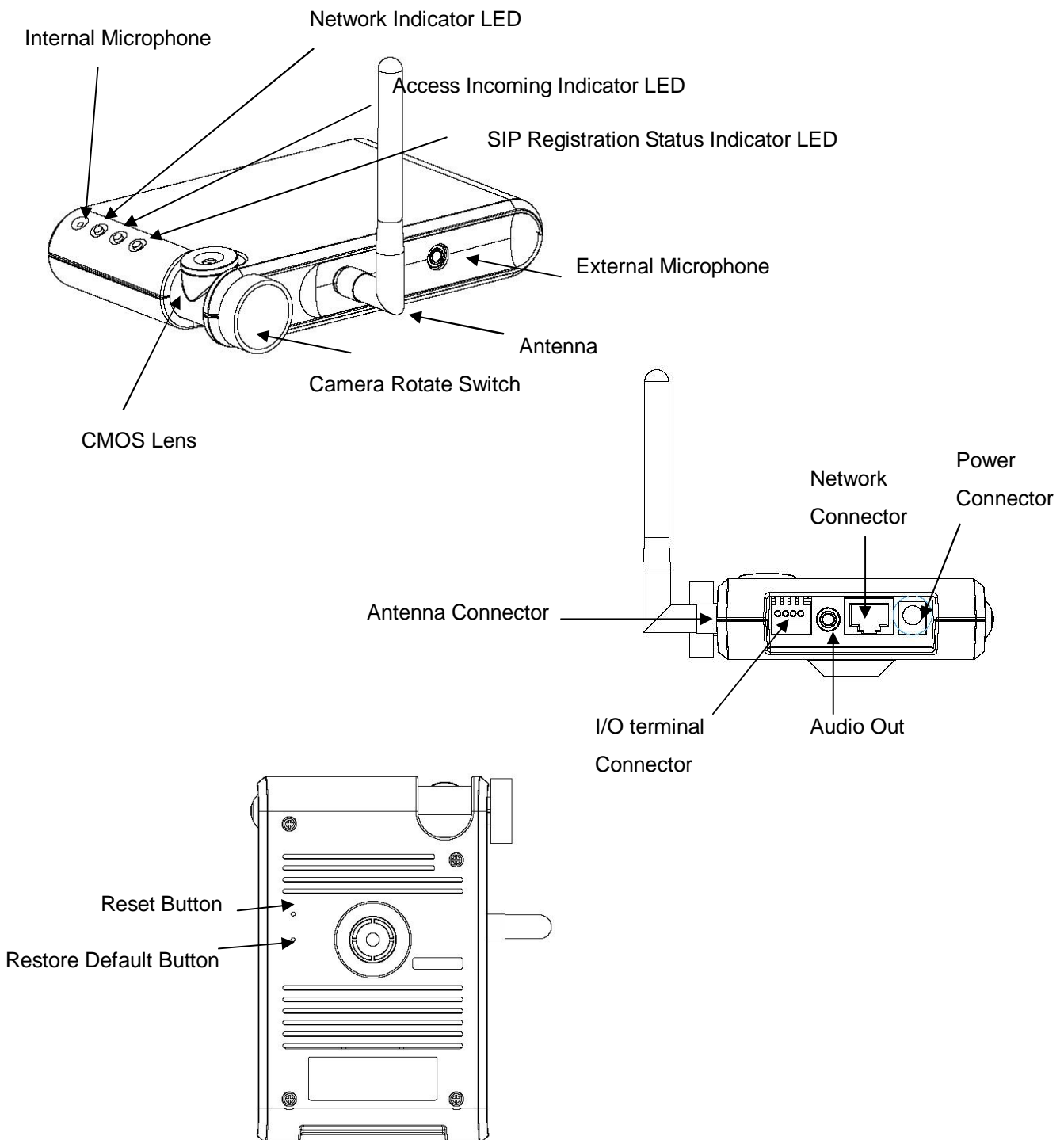
VerView

Network Surveillance Camera 3615



# Product Features

## Overview Wireless Network Surveillance Camera 3616





## Product Interface

### Interface Connector

Network connector ; RJ-45 Ethernet Connector

Antenna connector ; 2.0 dbi external swivel Antenna for transmitter and receiver

Power connector ; DC connector 3- 5V DC, 2.5A max 10W

Build-in Microphone ; 5M, Omni directional

External Microphone ; 3.5mm mono earphone jack

Audio out ; mono jack output, 50mW PC compatible

I/O terminal connector ; alarm, motion, event triggering notification

LED Indicator ; indicators show as follows:

LED	Color	Indication
Network	Blue	10/100Mbit/s LAN network connection activity.
	Amber	Wireless network connection activity.
	Unlit	No network connection.
Access	Flashes	Subscriber Incoming Entry.
	Unlit	No connection.
SIP	Amber	SIP Registration Successfully.
	Flashes	SIP Registration Failure.
	Flashes	Both of amber indicator flashes for upgrade status.

### System Requirement

Operation System	Windows 2000, XP SP2, Windows Vista
CPU	Intel Pentium 4 2 GHz equivalent processor, 512MB RAM
Network Protocol	TCP/IP, PPPoE, DHCP, Static IP, DDNS, SMTP, FTP, NTP
Web Browser	Internet Explorer 6.0 or higher, Firefox
Ethernet Interface	10/100 Mbps Ethernet Card for network connection
Others	CD-ROM/DVD, Video card supports 32-bit color, 80G HDD

## Introduction

### **High-quality, High efficiency video & audio transmission via IP network**

The network surveillance camera allows you to view live video over internet. Your control center can be set up anywhere with internet access without being restricted by locations. Surveillance video is processed by the most up-to date compression technology and transmitted in MPEG-4 compression format, whose transmission efficiency and video quality remain uncompromised by the network, minimizing the lagging of live surveillance video. In addition, wireless LAN is also supported. The wireless model makes the network usage more handy without the hassle of cable installation.

### **Great usability in every surveillance aspect**

The network surveillance camera's ease of use begins with its web-based user interface, using Microsoft Internet Explorer to browse the live video or the provided Windows client Surveillance Management Center (SMC) that offers many additional benefits: its user interface can display video up to 9 camera servers at the same time. Recording can also be done simultaneously and you can use it to view recorded video from the archive and backup your recorded file with audio.

### **Unparalleled surveillance functions where nothing slips through your watch**

The network surveillance camera's motion detection function sends out the alarm when any movement of any object occurring on the scene is detected, which makes it ideal for home and after-hour facility security. 16 preset positions can be programmed and the auto-cruise function will make the tour accordingly as if you were taking the patrol rounds in person.

You can also program the cameras to take snapshots or record video when the alarm is triggered by the event. These snapshots can be transmitted via FTP or email. Event recording is done by a client PC on the network as the camera sends snapshot in JPEG format as part of the responses to the triggered event.

### **Optional centralized management software for large scale surveillance services**

The software suite performs as a central control station on a client PC that controls, manages, and monitors up to 9 network surveillance camera server units over the network at the same time. You can talk to your surveillance camera just by a click on the managed camera to start 2-way audio conversation. The flexible and diversified SMC offer you handy surveillance solution on Windows platform.

# S

tart

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Leadtek Network Surveillance Camera can be used on the most standard/popular operation system and internet browsers. We recommend that Microsoft Internet Explorer on windows and Mozilla Firefox on other operating system , such as Mac/Linux .

### ActiveX Viewer

1. Launch the Internet Explorer and click **Tools** and select **Internet Options** option from the drop-down menu.
2. Click the **Security** tab from **Internet Options** .
3. Click **Custom Level** button to open the **Security Setting** .
4. Tick **Prompt** from the options titled with **Download signed ActiveX controls** and **Download unsigned ActiveX controls** .
5. Tick **Enable** from the options titled with **Initialize and script ActiveX controls not marked as safe** , **Run ActiveX controls and plug-ins** and **Script ActiveX controls marked safe for scripting** .
6. Click **OK** to accept the modification.
7. You will see the warning message prompts out for your confirmation. Just click **Yes** to apply the modified security settings

### Configure the Network Camera

The simplest way to locate a Leadtek Surveillance Camera in network is to use the Leadtek utility program. It can scan the local network for all Leadtek cameras and helps users for configuring the network. If you are not going to use DHCP server to automatically assign the cameras unique IP addresses, you will need to manually assign the camera with static IP address using the camera utility program.

## Configure the Network Camera

### Method I. The Utility Program ; IPCam Discoverer

IPCAM Discoverer is an application that can help on detecting the network cameras and then you can use PC/Notebook to connect to the cameras on network .

1. Insert the packing CD into the CD-ROM drive from your PC.
2. Install the **IPCam Utility Setup.exe** and execute it.
3. The **IPCam Discoverer** window displays and just input the **MAC ID** from the label at bottom side. Click the **Scan** button to start searching cameras.
4. Modify the related fields while the information displays.
5. Click **Apply** to confirm the modification and re-start the Camera.

IPCam Discoverer V.1.2.3

STEP1. INPUT DEVICE MAC ADDRESS (SCAN) Languages : English

MAC ID : 00:30:04:0A:8E:64 ? Scan

STEP2. DISPLAY NETWORK INFORMATION

IP Mode : DHCP Netmask : 255.255.254.0 DNS 1 : 172.16.0.3  
IP address : 172.16.5.73 Gateway : 172.16.5.254 DNS 2 : 172.16.0.4

STEP3. MODIFY NETWORK INFORMATION (APPLY)

Network | Surveillance Password

DHCP  
 Static IP  
 PPPoE

IP address : 172.16.5.73 DNS 1 : 172.16.0.3  
Netmask : 255.255.254.0 DNS 2 : 172.16.0.4  
Gateway : 172.16.5.254

User Name :  
User Password :

Apply

What is MAC ?

STEP1. INPUT DEVICE MAC ADDRESS (SCAN)

MAC ID : 00:30:04:FF:FF:FF ?

1. Turn over the device  
2. Check with the MAC ID  
3. Please keyin with the MAC ID you've found

OK

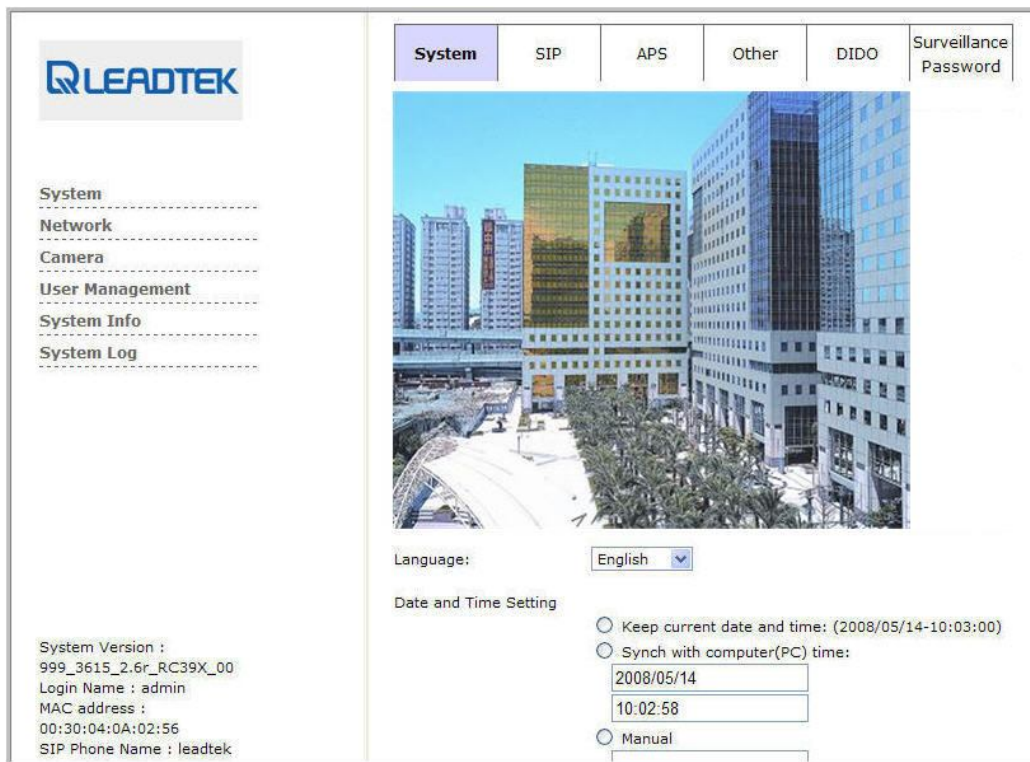
## Configure the Network Camera

### Method II. Internet Explorer Address Bar

Another way to connect the network camera is to visit with static IP address. Login the network camera by directly entering the IP address at the IE Address Bar.

1. Manually assign the last digit (192.168.0.x , 0<x<255 & x is not equal to 100) of your PC IP address field. Restore the network camera to set the default IP address as 192.168.0.100.
2. Start up the internet Explorer, and enter the IP address of the Network Camera at the address, then press **Enter** to open the system login page.
3. The camera system login page displays.
4. Enter the **admin** for both user name and password fields.
5. Video will display after the ActiveX controls downloaded and installed completed.
6. Video is displayed in Web browser as below.

http://192.168.0.100



**Notes:** When the first time login Network Camera , please set the browser to allow ActiveX controls and Windows Firewall security alert message. You may be requested to install ActiveX controls.

# Web Layout

Network camera can be accessed and modified via browser. The webpage provided the image view from the camera and function link on the left.

Select the main menu on the left side of the screen to enter the sub-menus.

- A. Main menu**
- B. Sub-Menu**
- C. System Information**

The screenshot displays the LEADTEK web GUI interface. On the left side, there is a main menu with the following items: System, Network, Wireless, Camera, User Management, System Info, and System log. A red box labeled 'A' highlights this menu. At the top of the main content area, there is a sub-menu with items: System, SIP, ABC, Other, DPO, and Surveillance Password. A red box labeled 'B' highlights this sub-menu. The main content area features a large video feed showing a modern building complex. Below the video feed, there are settings for Language (set to English) and Date and Time Setting. The Date and Time Setting section includes radio buttons for 'Keep current date and time: (2008/05/14-10:03:00)', 'Synch with computer(PC) time:', and 'Manual'. The 'Synch with computer(PC) time:' option is selected, with input fields for the date (2008/05/14) and time (10:02:58). A red box labeled 'C' highlights the system information section at the bottom left, which contains the following details: System Version : 999\_3616\_2.6r\_RC04X\_01, Login Name : admin, MAC address : 00:30:04:0A:8E:64, WMAC address : 00:30:04:0A:95:08, and SIP Phone Name : leadtek.

## System



## Language

Users may change the webpage interface language for better using Network Camera. Just click on the language selection option, all supported languages will be shown in the drop-down list. For the different languages, users can choose from following options.

English	Japanese	French	Spanish
Big5	Gb2312	German	

## Date / Time Setting

You may refer to the date/time settings to synchronize Network Camera's date/time with Network Time Protocol (NTP) server and change the time zone as well.

Change the Date/time fields to fit required. Click SAVE button to reserve the modifications.

Keep current date and time	Internal real-time clock maintains the date and time
Sync with computer time	Synchronize the date and time with local computer
Manual	According to enter by the administrator
Automatic	Synchronize with NTP server whenever camera start up
NTP server	Assign the IP address or domain name of time server
Time zone	Adjust the time of the time server for local settings



## SIP



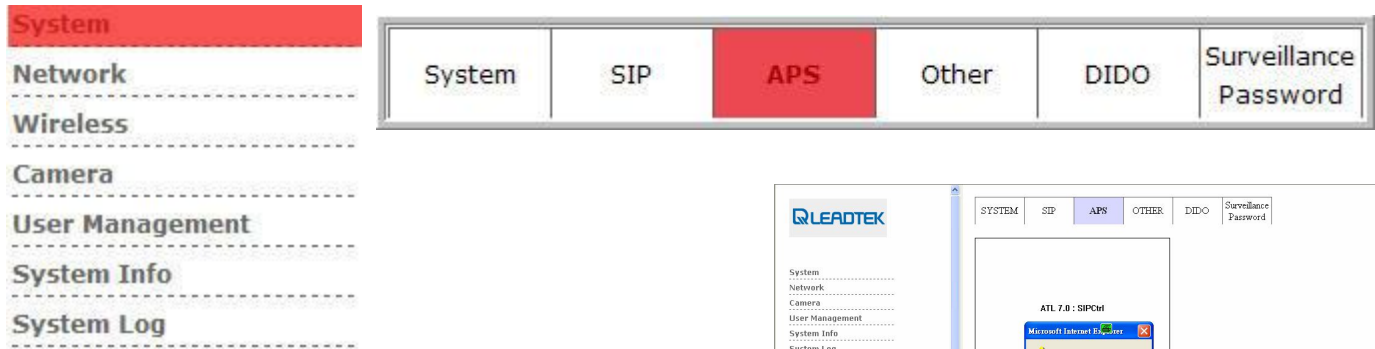
## SIP Configuration

Network protocol used for VOIP (Voice over IP) telephony.

SIP Register	Enable to register automatically with a registry server
SIP Server	SIP proxy or redirect server that provides location services
Server Port	The supplied default for parameter 5060
Register Timer	The supplied default parameter is 3600 (seconds)
Domain Name	Registration of server domain name
Proxy Domain	Setup DNS records for the proxy server domain
DNS SRV	Service record I the DNS server
SIP Phone Name	Configure to the VOIP provider;s phone name
IP Cam SIP Port	The supplied default for parameter 5060
User Name	SIP authorization username
Password	SIP authorization password
STUN Detect	Enable to allow detection of NAT behavior
STUN Server IP	Helps to bypass firewall or Network address translation
STUIN Server Port	The supplied default for parameter 3478
STUN Enable HB	Enable to contact for NAT mapping discovery
STUN HB Interval	The supplied default for parameter 30
Use NAT WAN IP and Mapped Port	Find the WAN IP address of your router, NAT should have port mapping for different private IP address to one public.
WAN IP Address	The external WAN-IP address of the router
WAN Mapped Port	Address of the router and mapped ports of camera to the WAN IP address



## APS

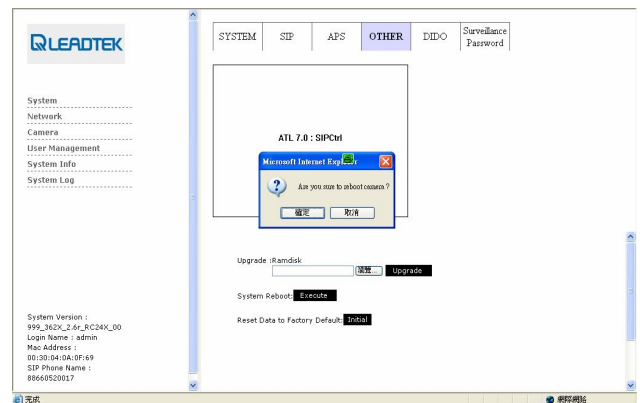
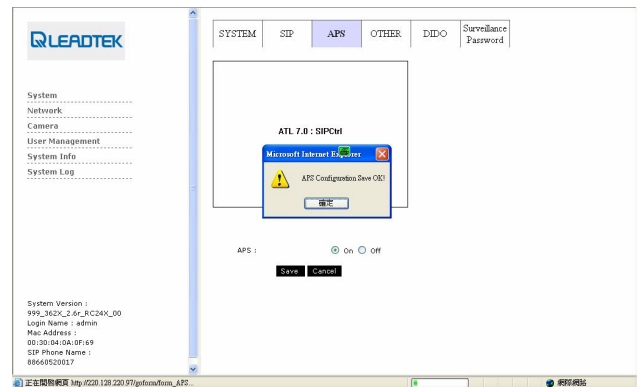


## APS Configuration

Auto Provision System purpose is provided device specify configuration and account info from the provider.

Click to **System** → **APS**, and set the options **ON** to enable APS.

Click to **System** → **Other**, and press the **Execute** button to reboot for settings taken effect.



### NOTE:

- ❖ Ensure that your network environment could connect to the Internet.
- ❖ During the downloading process, both amber LEDs will flash to show it was in the process.
- ❖ This process may take 20 to 30 seconds which depends on Internet traffic situation.
- ❖ After process finished, both amber LEDs will be off.
- ❖ Please reboot the WinFast CarePhoneR for the full function working properly after APS process finished.
- ❖ Network Camera will download the customized configuration files, and the detail will be displayed in SIP page.

## Firmware Upgrade

<b>System</b>
Network
Wireless
Camera
User Management
System Info
System Log

System	SIP	APS	<b>Other</b>	DIDO	Surveillance Password
--------	-----	-----	--------------	------	-----------------------

### Upgrade

1. Click the **Browse** button and locate the file of new firmware.

2. Click the **Upgrade** button to begin the upgrade procedure.

Uploading

25%

Uploading   Burning   Rebooting

**NOTE:Keep network connected.**

Burning

17%

Uploading   Burning   Rebooting

**NOTE:Keep IPCAM's power on during software upgrade.**

Reboot now...

11%

Uploading   Burning   Rebooting

**NOTE:Keep IPCAM's power on during software upgrade.**

### System Reboot

Click the **Execute** button to restart Network Camera Device.

### Reset Data to Factory Default

Click the **Initial** button to restore settings to factory default.

## DIDO

- System
- Network
- Wireless
- Camera
- User Management
- System Info
- System Log

System	SIP	APS	Other	DIDO	Surveillance Password
--------	-----	-----	-------	------	-----------------------

## DIDO

### Configuration



DO . connecting instruction from digital-out  
 One side of DO is the dry connecting point of the relay  
**DO +**  
 Relay state is as **COMMON**  
**DO -**  
 Relay state is as **NORMAL OPEN**

DI . connecting instruction from digital-in  
**DI +**  
 1.Please connect it to the external device with the signal output side  
 2.If voltage is 12V , it will be considered as HIGH state ; IPCAM itself will sense it and take it as external DI signal in . Please connect it as open or 0 V for normal time .  
**DI -**  
 Please connect it to the GND of the external device .

\* The hardware can handle with 30VDC / 1A or 125VAC / 0.5A for maximum limitation

DI Enable	Enable terminal block
DI Type	Trigger for 2 types
IM Notify IP	Send message to specify IP address
IM Notify Phone number	Send message to specify registry sip server phone number
IM Notify	Enable Notification
SMTP Send	Send Notification by SMTP
FTP Send	Send notification by FTP
DO Type	Normal status is Open, current status is normal
DO Notify	Enable DO Notification

## Surveillance Password

**System**

Network

Wireless

Camera

User Management

System Info

System Log

System	SIP	APS	Other	DIDO	<b>Surveillance Password</b>
--------	-----	-----	-------	------	------------------------------

## Surveillance Password Configuration

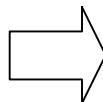
The password will help to permit authorized accesses.

Enable Password	Enable to allow you have Encryption Privacy Picture function
Input Password	The supplied default parameter is <b>12345</b> , <b>Numeral Only.</b>
Confirm Password	Re-type the Password for confirmation

Video with password protected



Video without password protected



## Network

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System

**Network**

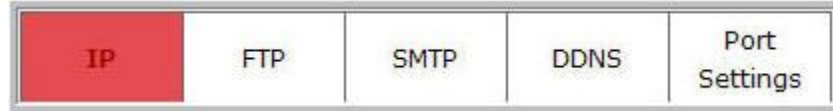
Wireless

Camera

User Management

System Info

System Log



### Network Type

The Network Sub-Menu is for you to configure all network related settings. NSC3615/WSC3616 network default type is Local LAN. Any modification will restart the system to take effect. Make sure of each field is filled correctly before rebooting the machine.

### DHCP

Dispatch the IP address automatically from DHCP server or featured router.

### Static IP

Disable DHCP dispatching feature and assign static IP address manually.

### PPPoE

Select PPPoE if using ADSL. Enter your account ID and password to appropriate fields in PPPoE.

## FTP

System

Network

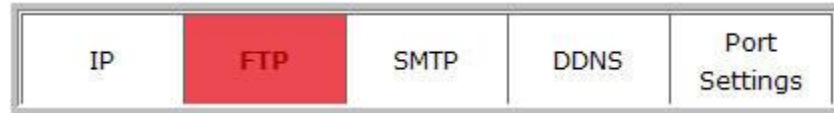
Wireless

Camera

User Management

System Info

System Log



## FTP Service Setup

When FTP service is enabled, camera sends a still image to the FTP server every time the alarm triggered.

Server Name	Enter FTP server IP address or Domain Name
Login Name	The username to login the FTP server
Login Password	The password to login the FTP server

## SMTP

System

**Network**

Wireless

Camera

User Management

System Info

System Log



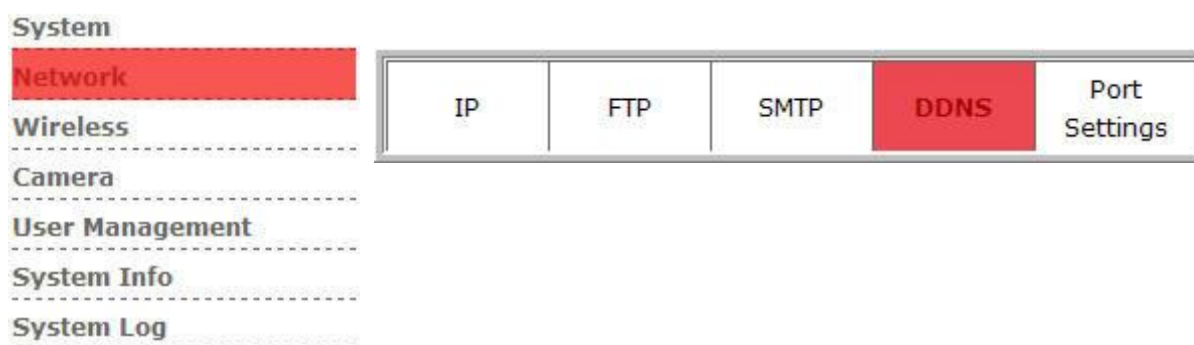
## SMTP Service

When SMTP service is enabled, the camera sends a still image to a specific email address every time the alarm triggered.

Server Name	Enter the mail server to send the email (POP3 Server)
Login Name	Enter username that mail server required authentication
Login Password	Enter Password that mail server required authentication
Send From	Enter Personal E-mail account
Send To	Enter the E-mail account that you want to send
Title	Enter the email subject for the mail receiver recognize
Message	Provide general information in plain text



## DDNS



## DDNS

To find the free-of-charge DDNS service, please go to visit the DynDNS website ([www.dyndns.org](http://www.dyndns.org)) and register for a dynamic domain name which can be used to access it over internet.

DDNS Client Enable	To use or not to use Dynamic DNS mechanism. The ISP will dynamically allocate an IP address to your network camera, if you dial up to internet by ADSL/Cable modem. If you want the dynamic IP address to map to a static Domain name, you can set the Dynamic DNS settings by enabling this feature.
Username	Enter the applied username
Password	Enter the applied password
Alias	Alias a dynamic IP address to a static hostname
Uptimer	The supplied default parameter is 1800
System ID	Choose the desired DDNS server

**Note:** You will have to contact your internet service provider to activate a dynamic DNS program from local execution.



## Port Setting

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System

**Network**

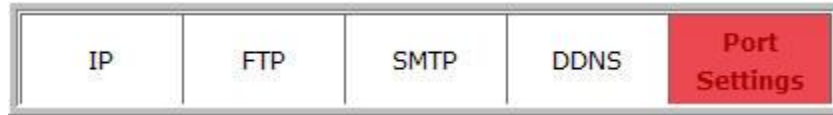
Wireless

Camera

User Management

System Info

System Log



## Port Setting

Setup the ports for data transmission from the camera on internet.

RTP Port	The supplied default port range is  6000   8000
HTTP Port	The default HTTP port number is  80

## Wireless

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### Wireless Configuration

Wireless Enable	Enable the Wireless mode
SSID	Specify wireless client attempting to connect a specify WLAN
Auto Mode	Setup in Auto mode
Infrastructure Mode	Setup Network Camera connect to WLAN via Access point
Ad-Hoc Mode	Setup Network Camera connect directly in peer-to-peer
Data Encryption None	No data Encryption
Data Encryption WEP	Allow communication only with other device identical WEP

#### Ad Hoc:

Connect the WIFI camera via PC/notebook directly, please select this mode. You must make sure your notebook is embedded with wireless network card (for 802.11b/g capabilities) and you must set the related parameters to 802.11b/g and Ad Hoc from WIFI camera.

#### Infrastructure:

If there is a wireless Access Point, please select this mode.

**Note:** You may execute system rebooting after configured wireless network for validate modification manually.

**Note:** This function is only available with WIFI camera.

## Camera



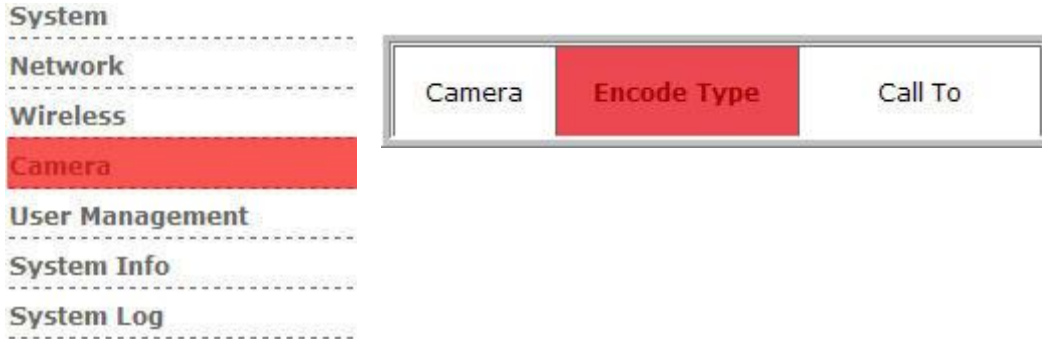
## Camera Configuration

Resolution	QCIF,CIF,VGA,D1 four kinds of resolution. Default CIF The higher resolution will be clearer than the smaller, but it will occupy a larger bandwidth.
Bit Rate Control	Control Enable/Disable video stream
Bit Rate	64kbps,128kbps,256kbps,384kbps,512kbps,768kbps,1M
Frame Rate	Adjust the amount of the frame per second allowable Default 15
Brightness	The supplied parameter 1 ; 200. Default is 100
Contrast	The supplied parameter 1 ; 32. Default is 16
Saturation	The supplied parameter 1 ; 31. Default is 16
HUE	The supplied parameter 1 ; 100. Default is 50
Auto Exposure	Enable for automatic light compensation Camera will automatically modulate white color for optimal picture quality in any lighting condition
Color Temperature	In door range approximately 2850K ; 7200K
Rotation	Turns the image upside-down when mounted to ceiling
Power Frequency	Adjust the light frequency to suit your country. 60Hz is the standard for the USA and 50Hz is the European standard

NOTE: While in darker places, raise the ; **Brightness**; is a recommended option.

## Encode Type

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## Encode Setting

Determine which Audio/Video codec to be streamed between client and server.

Audio Type	G.711 PCMA	G.711 PCMU
Video Type	H.263	MPEG4

## Call to



## Call To

Support for all *SIP proxy*, *peer-to-peer* or *SIP URL* call control feature. In NSC3615/WSC3616, only Motion Detection could trigger Call-To function. Please set related source policy from ticking the checkbox *¡Motion Detection¡*.

For viewing from mobile phone, video and audio setting encoding type should be set first as mentioned in previous paragraph.

Detailed parameters format is as following:

Peer-to-Peer	Destination transmitted IP address	Port Number
Proxy Server	Registered SIP Phone Number	Port Number
SIP URL	ResourceID@host	Port Number

## Source

Configure Call-to function triggered by Motion Detection or DI/DO.

## Call Timeout

Configure life time for a call session to terminals.

## Notify Connected PC client

Notification must be connected with PC Software application - **¡Netcam¡**.

## User Management

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### User Management

For accessing user accounts management.

### Add New User

Create accounts for new users.

User ID	English and number to make up user name, less than 16 characters.
User Password	Enter Password.

### User Group

The new account will be grouped with **Guest** as default.

Guest level can only view information without any privilege to modify for any configurations.

### Delete

Click **Del** to delete an existed user account.

**Note:** administrators can't be deleted.

## System Info



If will display with useful system information for users; reference, such as SIP registration/System Uptime etc.

## System Information

Model Name	Product Model Name
Firmware Version	Network Camera System Version
IPCAM ID	Product ID
IPCAM IP	Current IP address of Network Camera
Phone Number	VOIP authentication for identification
SIP Registered Status	Registry option status
SIP Registered	Registry on SIP Server statement
Online Users	The amount of observe users
System Uptime	Total uptime on Network Camera
Hardware Version	PCB Hardware Version
Sensor Version	CMOS Video Sensor Version

## System Log

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## System Log

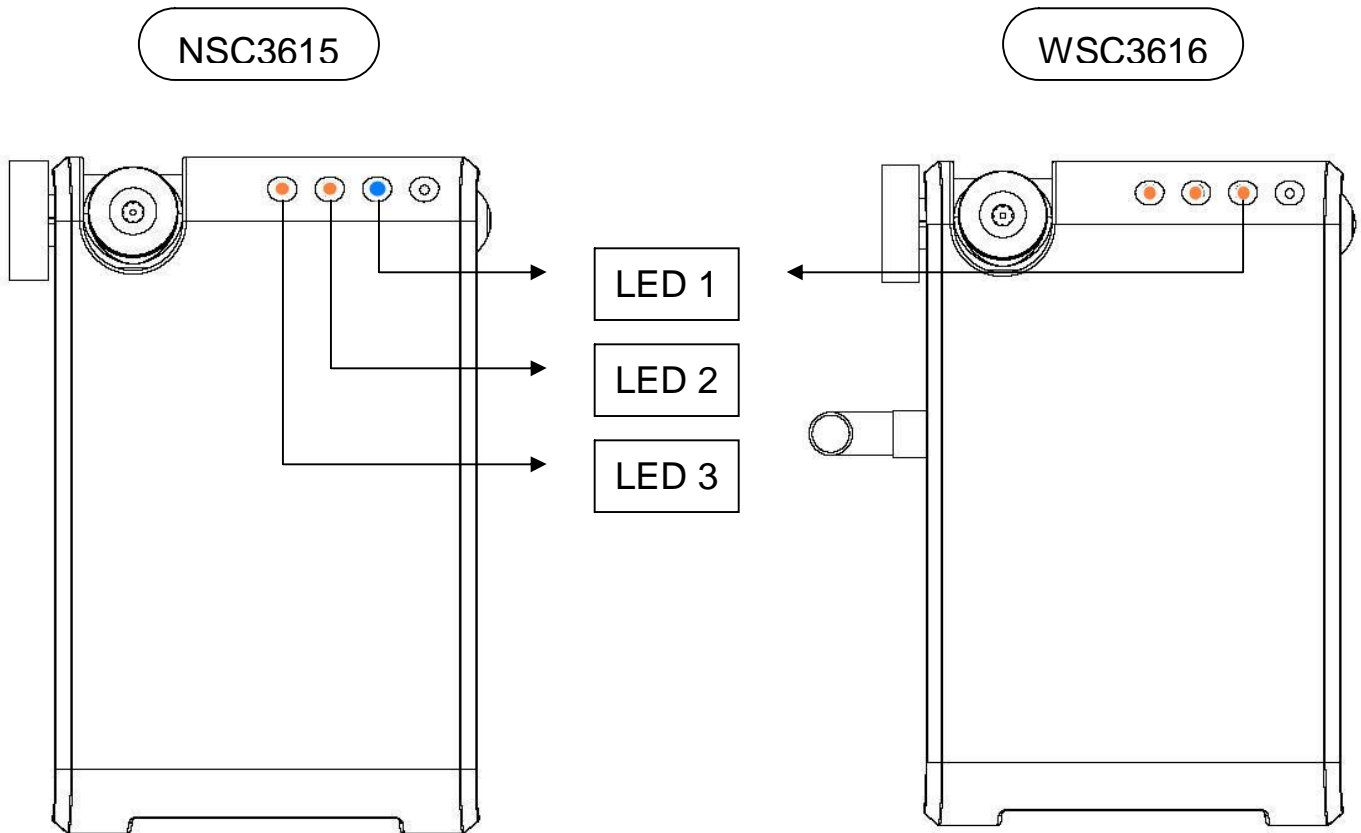
Shows log system time, IP status information.



## APPENDIX

### LED Indicator Status

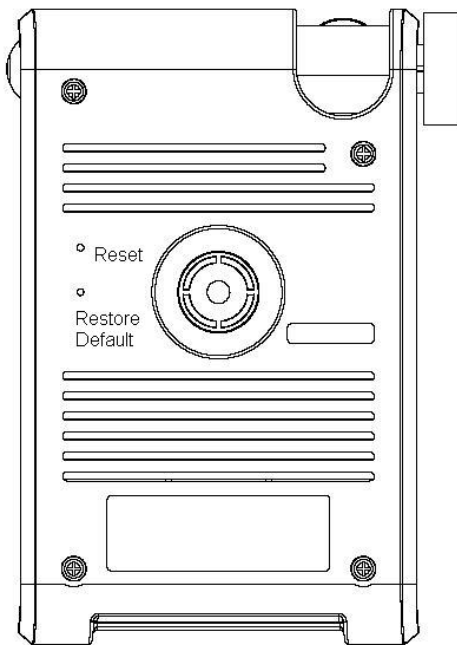
LED patterns lists table.



LED	Condition	Color Status
LED 1	Loading and Detecting Network	Steady Blue till IP address is confirmed
LED 1	Wireless Loading and Detecting Network	Steady Amber after IP address is confirmed
LED 2	Monitoring Video transmission	Blinking Amber every second
LED2&LED3	During upgrade firmware process	Blinking Amber every second and Slower blink amber
LED 3	SIP registration Success	Steady Amber

## Reset / Restore Factory Default

To reset Network camera or Restore Factory Default settings.



**RESET:** Press the **Reset** button and wait that the indicator LEDs been turned on.

### **RESTORE:**

1. Press the **Restore Default** button continuously and hold for 3 seconds.
2. Free the button as soon as the self-diagnostic starts and wait for the indicator LEDs being turned on.

## Reset

Restart the network camera. System will retain users' preferred settings.

## Restore Factory Default

Restore Default will erase users' preferred settings and major settings will turn to factory setting as following.

**Default IP address: 192.168.0.100**

**Default Username: admin**

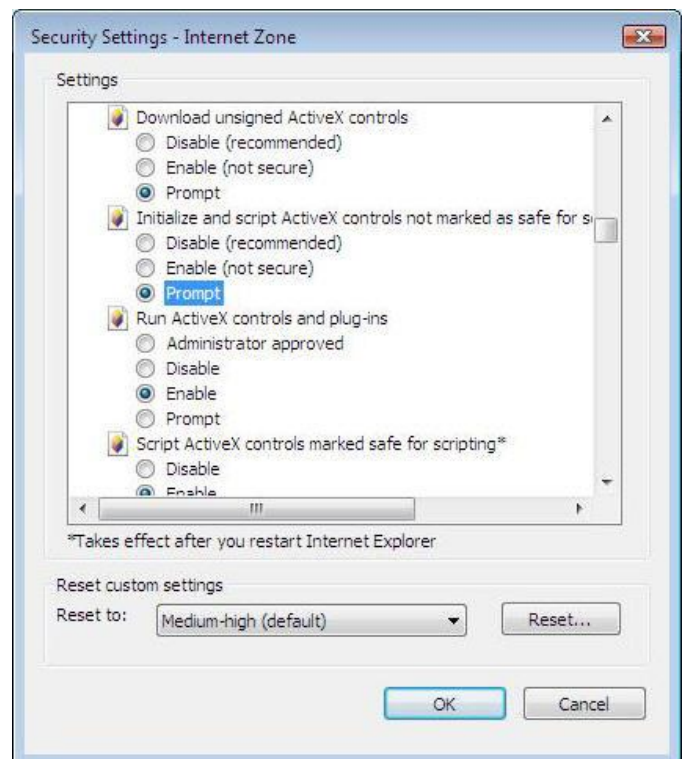
**Default Password: admin**

## APPENDIX

### Internet Explorer Security Settings

The ActiveX control must be downloaded from the camera and installed on your PC. Internet Explorer security settings must allow for the web page working properly.

- ✓ Download signed ActiveX controls
- ✓ Run ActiveX control and Plug-ins
- ✓ Script ActiveX control marked safe for scripting
- ✓ ActiveX Scripting (Java Scripts)



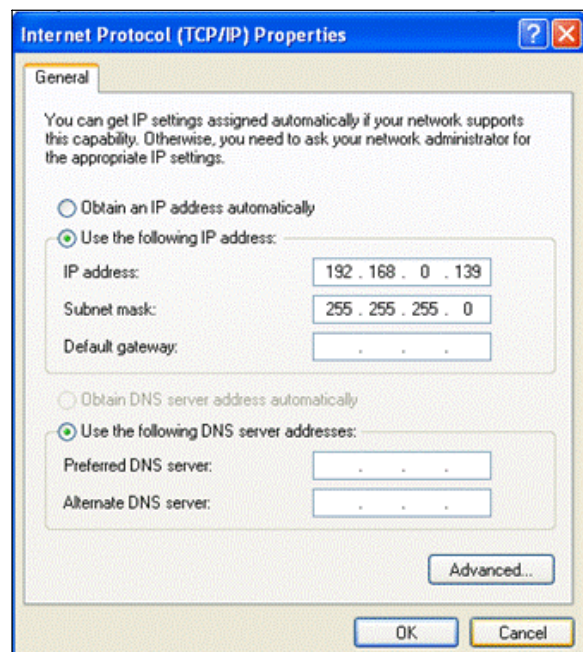
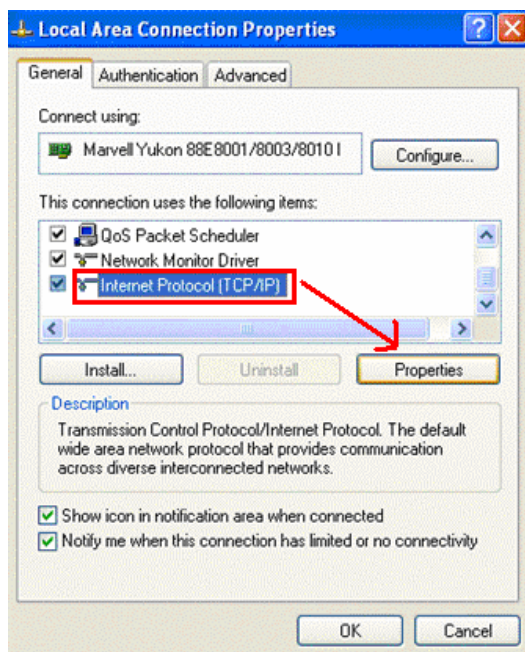
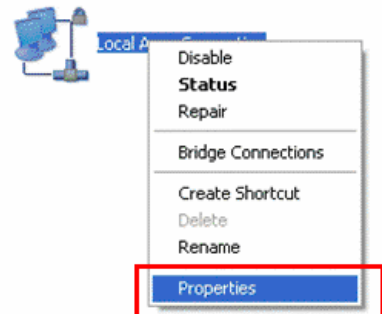
## APPENDIX

### Check Network Connection

Determine your IP address and network settings, please following the procedures.

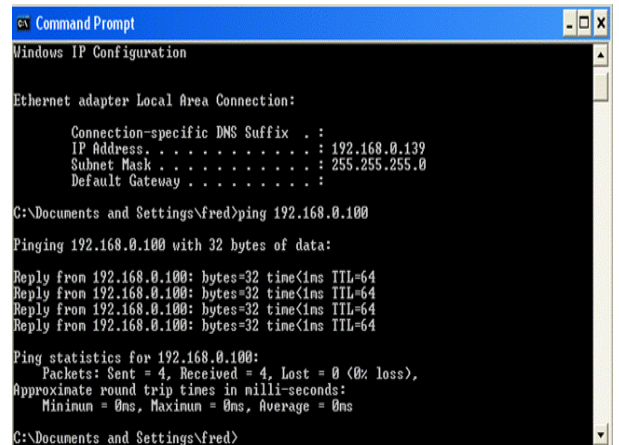
1. Click on **Start** → **Run** and type in: **cmd** and then press ENTER
2. In the MS-DOS window, type in: **ipconfig** and then press ENTER
3. That will display your network card IP Address, Subnet Mask, and Default Gateway.
4. You may use following instruction to modify network settings.
  - Click Windows **Control Panel** → **Network Connection** → **Local Area Connection**, right-click on the icon and choose **Properties**.
  - Choose **Internet Protocol (TCP/IP)**, and click **Properties** button.
  - Choose **Use the following IP address**, and type 192.168.0.X as IP address. The Subnet mask is 255.255.255.0, then click OK.

LAN or High-Speed Internet



PING is a very useful MS-DOS command to check if Network Camera is still responding or if an IP address is available.

1. Click on **Start** → **Run** and type **Cmd** and press ENTER.
2. In the MS-DOS window, type **Ping 192.168.0.100**
3. For example, if your Network Camera uses the IP address of 192.168.0.100, you would type in: Ping 192.168.0.100 and press Enter.



If Network Camera online and using this address you will see:

```
Pinging 192.168.0.100 with 32 bytes of data:  
Reply from 192.168.0.100: bytes=32 time<1ms TTL=64  
Reply from 192.168.0.100: bytes=32 time<1ms TTL=64  
Reply from 192.168.0.100: bytes=32 time<1ms TTL=64  
Reply from 192.168.0.100: bytes=32 time<1ms TTL=64
```

Ping statistics for 192.168.0.100:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in mill-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms

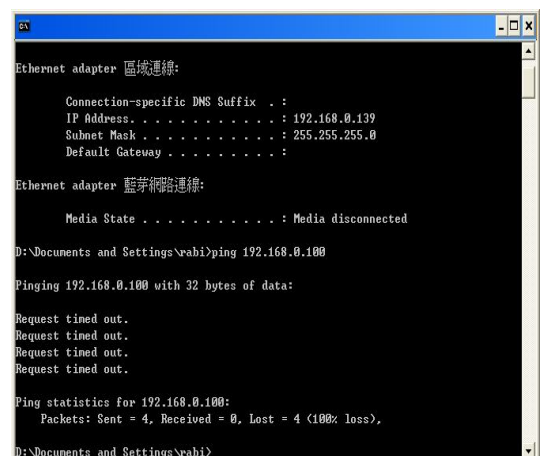
If there is NO response on the address, you'll see the following:

Pinging 192.168.0.100 with 32 bytes of data:

```
Request timed out.  
Request timed out.  
Request timed out.  
Request timed out.
```

Ping statistics for 192.168.0.100:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),



## TROUBLE SHOOTING

Please check the following FAQ for a possible solution to issues encountered.

### Frequency Asked Question

**Q: What username and password can I accessing to the Network Camera for the first time or just restored to factory default?**

**A:**

Default username = admin

Default password = admin

Restore default IP address = 192.168.0.100

**Q: What should I do if I forgot my username and password?**

**A:**

Restore to factory default by pressing the **Restore Default** button till the LEDs has been turned on.

**Q: Can the Network camera also work properly behind the firewall?**

**A:**

**YES**, you'll need to adapt with ports and virtual IP forwarding from the setup of the firewall.

**Q: There is no video available from the web server !!**

**A:**

ActiveX control may not be well installed. Please ensure ActiveX control has been allowed to install from the Internet Explorer options menu. Please refer Internet Explorer Security Settings to correctly configure your Internet Explorer.

**Q: Internet Explorer displays the following message: This website wants to install the following add-on: NetcamX from Leadtek Research Inc. if you trust the website and the add-on and want to install it, click here**

**A:**

Restore the default IE security level as Medium or configure the individual settings to allow downloading and scripts of signed ActiveX controls.

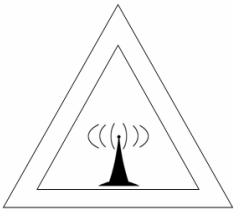
**Q: I cannot access the Network Camera from Web browser !**

**A:**

1. Please use the command **ping** to check the network connection. If the shown response is **Request timed out**, it may be caused by the incorrect setting of IP address.
2. Observe the Ethernet LED from the Network camera. It should be steady blue if with a correct IP configuration. If not, check if both ends of the Ethernet cable are well and properly attached.
3. Confirm that Network Camera's virtual/local IP address and ports have been forwarded properly so that the browsing from internet can be successful. Please refer to your camera HTTP port settings or router's user manual for detailed configuration.

## Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.



CAUTION

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. For product available in the USA market, only channel 1~11 can be operated. Selection of other channels is not possible.

### IMPORTANCE NOTE:

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.



## **FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **CAUTION:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

RF exposure warning ·

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.