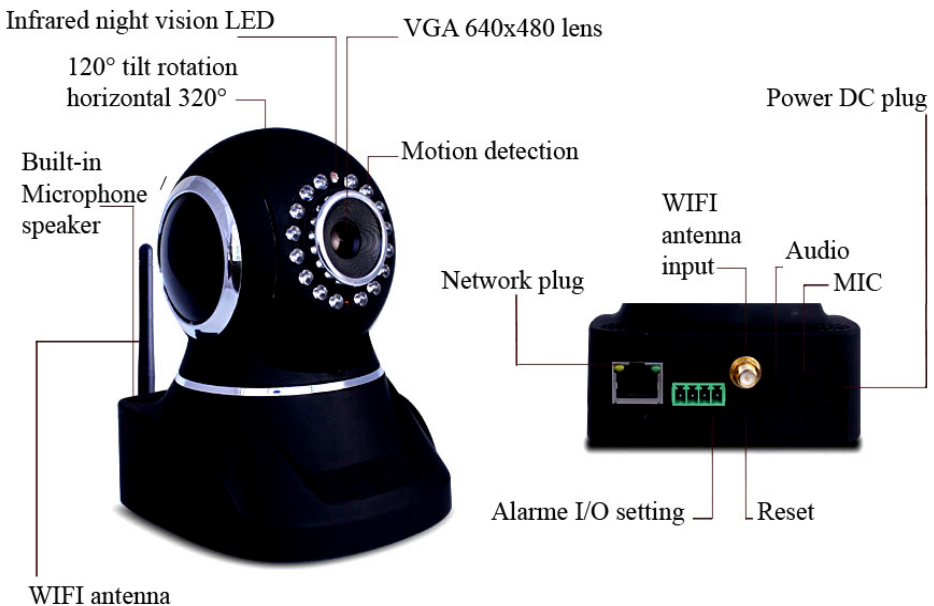


Thank you for buying this ergonomic and powerful IP Internet security camera. It has multiple functions offering efficient and autonomous management thanks to its built-in web server. Moreover, Night Light LEDS make the camera usable in an weak lighting environment. Its extended compatibility let it use with most of Internet browser : Internet Explorer, Firefox, Chrome, Opera. The camera let a stable and secure connection in local network or from Internet via wired RJ45 cable or via wireless network. You can watch, monitor and control anytime the camera anywhere from computer or from smartphone.

Features

- Motorized IP color camera
- Supports pan 320°, tilt 120°
- Network connection via wired 10/100 Mbps Ethernet or by 802.11 b/g WIFI
- Audio output, microphone input
- WEP/WPA/WPA2 encryption
- Resolution up to 640 x 480 at 30 fps
- MJPEG compression
- Supports DDNS/HTTP/TCP/IP/UDP/STMP/DHCP/FTP/UPnP/PPPoE/GPRS
- Web server to monitor over Internet or via smartphone/mobile phone
- Snapshot pictures and send them to your mailbox in case of detection of movement
- Powered by 5V 2A power supply unit
- Power consumption 6W maximum

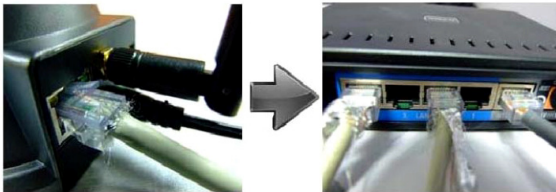


Minimum system required

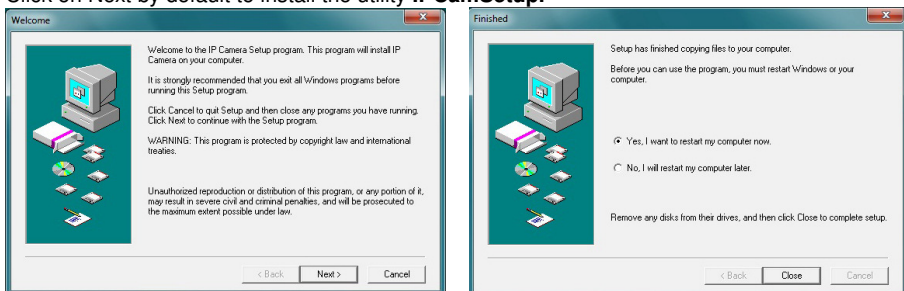
- LAN : 10BaseT/100BaseTX Ethernet
- Browser compatible ActiveX (INTERNET EXPLORER)
- Browser compatible with Java Applet
- PC INTEL Pentium3 – 1Ghz or superior
- Memory : 128 Mb or superior
- Resolution 800x600 in 16 bits or superior
- Windows 2000/XP/VISTA/7, Linux, MAC OS

Installation

Install the WIFI antenna. Connect the network cable to the RJ45 network connection port of your network peripheral (router, ADSL modem, switch or hub). Connect the power adapter to the IP Camera power socket and then insert the plug into an available power outlet. The LED indicator will lit in red and will blink in red.



Insert enclosed CD-ROM in your CD-ROM, then double-click on **IPCamSetup.exe** to launch installation of the camera utility. The utility works only with Windows system. Click on Next by default to install the utility **IPCamSetup**.



At the end of installation, restart your computer by clicking on **Close**.

It is recommended to deactivate your antivirus and firewall during the installation and the setting of IP camera. Firewall and anti virus can deny access to network ports disabling sometimes the setting of the IP camera.

Click on **IPCamSetup** icon on desktop to launch the setting of the camera. The utility will scan all camera connected to the network. You will have the dialog box popping up which shows the camera IP: 192.168.1.73



If there is no IP, check the RJ45 cable connection.

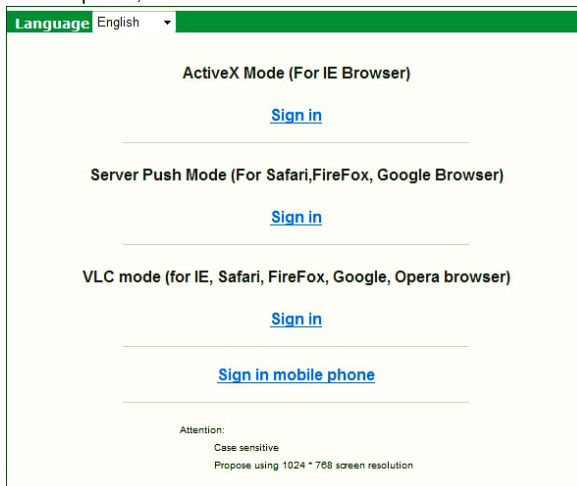
Camera setting

You can set the camera through built-in camera Web server. You can access to the interface from Internet browser. You have to login by giving user name **admin**, and no password the first time you are using the camera. Then click on **OK**.

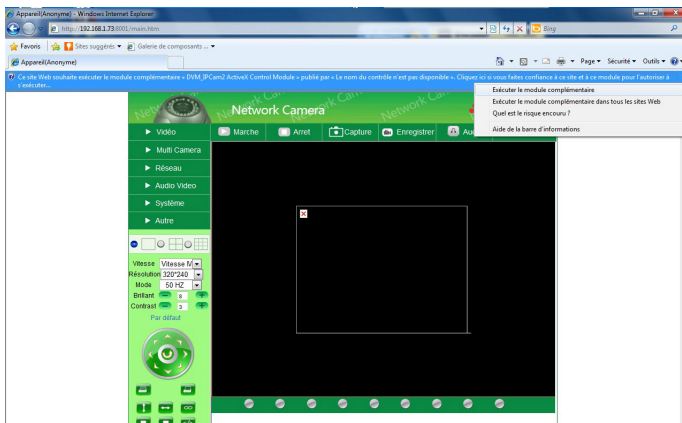


You will able to change user name and new password later.

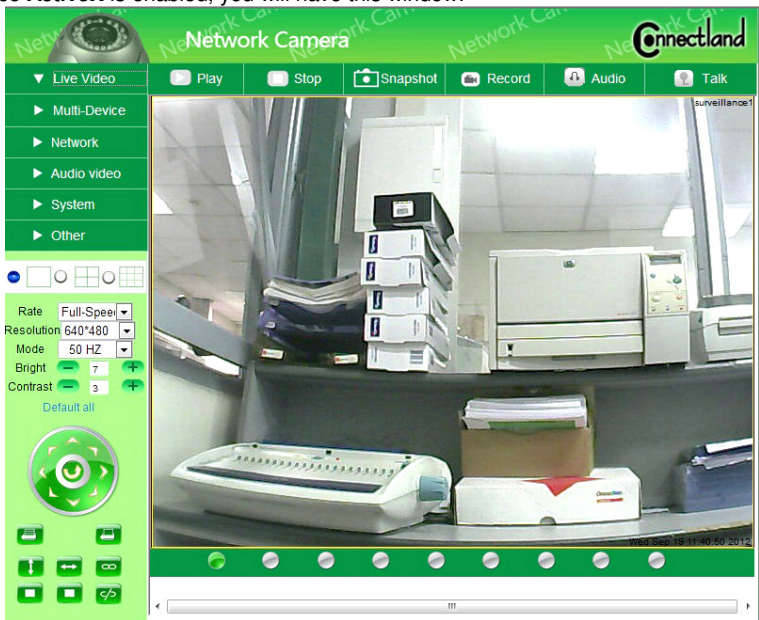
The Sign In interface will pop up: you can choose the language among French, English, German, Italian, Portuguese, Spanish, Polish, Russian, Arabic, Korean, Thai, Chinese. Choose **ActiveX** Mode if you use Internet Explorer, **Server Push** Mode if you use Firefox or Chrome. You can use **VLC** mode for Safari, Opera or Internet explorer, Firefox or Chrome.



If you are using Internet Explorer, a windows will pop up and ask for **ActiveX**. Click on **Run Add-on or Install Active X**.



Once **ActiveX** is enabled, you will have this window:



You can **Play** or **Stop** the camera. You can snapshot by clicking on **Capture** and save the file on your computer as Jpeg or Bitmap file.

You can record on your computer the video in avi file via **Record** tab. The tab becomes red as the round point associated to the camera.

If you connect to the camera speaker and microphone, you can listen via **Audio** tab or talk via **Talk** tab.

You have a mosaic with one, four or 9 camera. You can add simultaneously up to 9 camera.

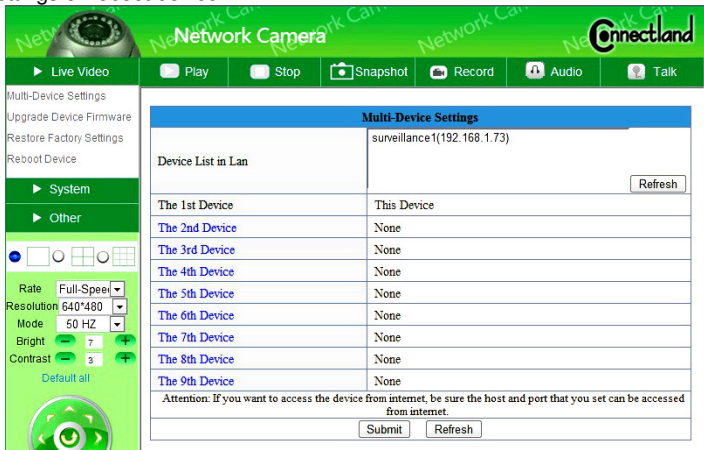
You can set the rate from 20 FPS to 1FP/5s, the resolution from 160x120,320x240 or 640x480.

You can set bright and contrast.

You can move the camera in 8 directions.

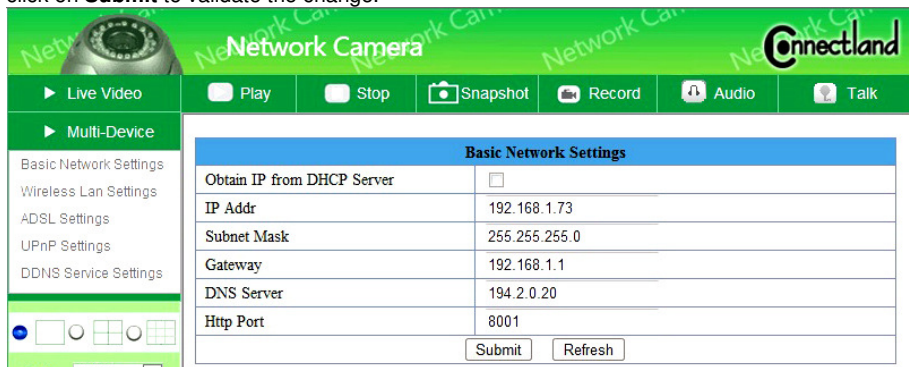
You can launch vertical or horizontal patrol and stop it anytime.

In **Multi Device**, you can set camera properties, update camera firmware if there is one, restore factory settings or reboot device.



In **Network**, you can set basic network settings, Wireless Lan settings, ADSL settings, UpnP settings, and DDNS settings.

By default the camera port is 80. however this port is already used by other programs : it is better to change camera port. Go **Basic network settings** to change the port by example here 8001. Then click on **Submit** to validate the change.

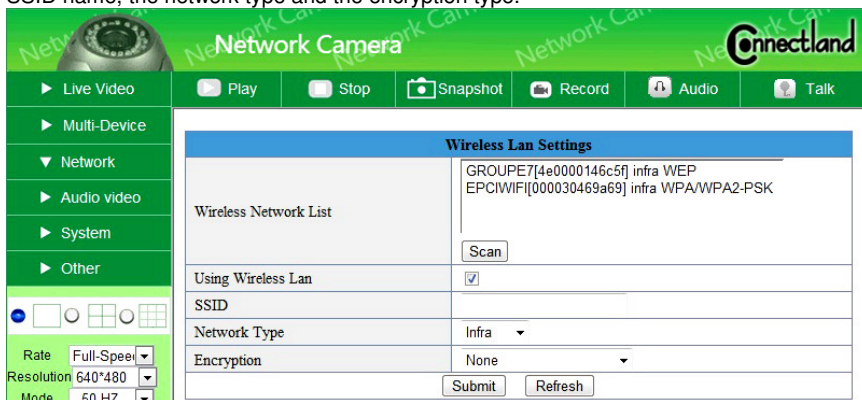


The screenshot shows the 'Basic Network Settings' page of a Network Camera interface. The page has a green header with 'Network Camera' and 'Connectland' logos. A navigation bar includes 'Live Video', 'Play', 'Stop', 'Snapshot', 'Record', 'Audio', and 'Talk'. A left sidebar lists 'Multi-Device', 'Basic Network Settings', 'Wireless Lan Settings', 'ADSL Settings', 'UPnP Settings', and 'DDNS Service Settings'. The main content area is titled 'Basic Network Settings' and contains a table with the following fields:

Basic Network Settings	
Obtain IP from DHCP Server	<input type="checkbox"/>
IP Addr	192.168.1.73
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
DNS Server	194.2.0.20
Http Port	8001

At the bottom of the table are 'Submit' and 'Refresh' buttons.

If you plan to use wireless connection, go **Network**, then **Wireless Lan settings**. Check the option **Using Wireless Lan**, then click on **Scan**. Wait that the camera detects a wireless network. Enter the SSID name, the network type and the encryption type.

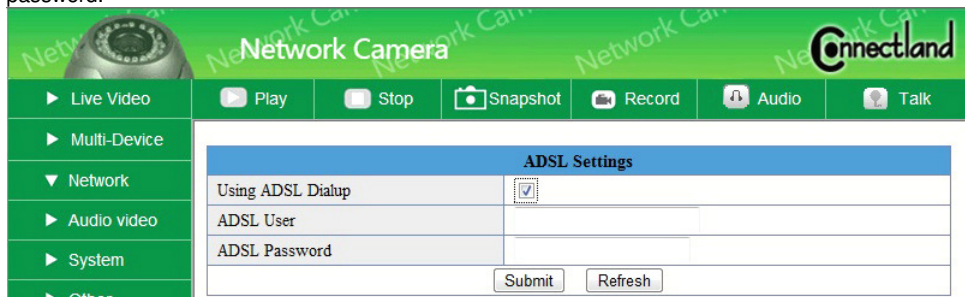


The screenshot shows the 'Wireless Lan Settings' page. The left sidebar now highlights 'Network' and 'Audio video'. The main content area is titled 'Wireless Lan Settings' and includes a 'Wireless Network List' section with a 'Scan' button. Below this is a table with the following fields:

Wireless Lan Settings	
Wireless Network List	GROUPE7[4e0000146c5f] infra WEP EPCIWIFI[000030469a69] infra WPA/WPA2-PSK
Using Wireless Lan	<input checked="" type="checkbox"/>
SSID	
Network Type	Infra
Encryption	None

'Submit' and 'Refresh' buttons are at the bottom.

If you are directly connected via ADSL, check **Using ADSL dialup**, enter ADSL User name and ADSL password.



The screenshot shows the 'ADSL Settings' page. The left sidebar highlights 'Network'. The main content area is titled 'ADSL Settings' and contains a table with the following fields:

ADSL Settings	
Using ADSL Dialup	<input checked="" type="checkbox"/>
ADSL User	
ADSL Password	

'Submit' and 'Refresh' buttons are at the bottom.

Check **Using UPnP to Map Port** to enable camera port forwarding to access to the camera via DDNS.

▶ Live Video

▶ Multi-Device

▼ Network

▶ Audio video

▶ Play

▶ Stop

▶ Snapshot

▶ Record

▶ Audio

▶ Talk

UPnP Settings

Using UPnP to Map Port

☒

Submit

Refresh

Verify that you have enable UPnP function in your router or modem router.
By example with SFR a French Internet ADSL provider, you have to check UPnP activation.

SFRneutbox

Neutbox

EtatRéseauWifiHotspotApplicationsMaintenance

Deconnexion

➤ Général➤ WAN➤ DynDNS➤ DNS➤ DHCP➤ NAT➤ Route➤ Filtrage

Translation de ports

#	Nom	Protocole	Type	Ports externes	Adresse IP de destination	Port de destination	Activation
1		TCP	Port		192.168.1		<input checked="" type="checkbox"/> Activer

UPnP

Activation de l'UPnP

☒ activé☐ désactivé

Règles NAT UPnP actives16 règles

Valider

Aide

Dans la rubrique Translation de ports vous pouvez définir vers quel équipement connecté à votre neutbox sera envoyé le trafic provenant d'internet. Certains logiciels nécessitent d'être joignables directement d'internet pour fonctionner convenablement (jeux, peer to peer, etc.). Vous pouvez configurer ces règles ici. Reportez-vous à la documentation de votre logiciel pour plus d'informations.

Dans la rubrique UPnP vous pouvez désactiver ou réactiver le service UPnP de la neutbox. Lorsque l'UPnP est activé, vous n'avez pas besoin de définir de règles de translation de ports pour les logiciels compatibles UPnP.

The camera is connecting via Internet through DDNS domain name. DDNS domain name is given by default by example here **a2492.apexispc.com** but you can change DDNS domain name.
In this case, default DDNS domain name is irrelevant. You can use only one DDNS.

▶ Live Video

▶ Multi-Device

▼ Network

▶ Audio video

▶ System

▶ Other

▶ Play

▶ Stop

▶ Snapshot

▶ Record

▶ Audio

▶ Talk

DDNS Service Settings

Manufacturer's DDNS

Manufacturer's Domaina2492.apexispc.com

Third Party DDNS

DDNS ServiceNone

None

Oray.net

DynDns.org(dyndns)

DynDns.org(statdns)

DynDns.org(custom)

3322.org(dyndns)

3322.org(statdns)

NO-IP

RateFull-Speed

Resolution640*480

Mode50 HZ

You must set ports forwarding to enable the camera access from remote site via Internet.

By example with Bright box wireless router in UK, go to **Advanced set-up**, then **NAT** and **port forwarding**. You will have this window:

port forwarding

You can configure the router as a virtual server so that remote users accessing services Web or FTP at your local site via public IP addresses can be automatically redirected to configured with private IP addresses.

no.	lan ip address	protocol type	lan port	public port	enable
1	192.168.1.	TCP			<input checked="" type="checkbox"/>
2	192.168.1.	TCP			<input type="checkbox"/>

Enter IP address, in our example 192.168.1.73. Choose protocol type TCP. Put camera port, in our example 8001 as LAN port and Public port. Check **Enable** case and click on Apply to validate the change.

With SFR French ADSL Internet provider, go to NAT, you will find port forwarding. Enter the name, external and destination ports, in our example 8001, and IP address (in our example 192.168.1.73), choose TCP as protocol and check Activate case.

SFRneutbox

Version : NB4-MAIN-R3.1.10
Adresse MAC :
Adresse IP :
Profil d'accès : neutbox ADSL

EtatRéseauWifiHotspotApplicationsMaintenanceDeconnexion

GénéralWANDynDNSDNSDHCPNATRouteFiltrage

Translation de ports

#	Nom	Protocole	Type	Ports externes	Adresse IP de destination	Ports de destination	Activation
1		TCP	Port		192.168.1.		<input checked="" type="checkbox"/> Activer

Aide

Dans la rubrique **Translation de ports** vous pouvez définir vers quel équipement connecté à votre neutbox sera envoyé le trafic provenant d'Internet. Certains logiciels nécessitent d'être joignables directement d'Internet pour fonctionner convenablement (jeux, peer to peer, etc.). Vous pouvez configurer ces règles ici. Reportez-vous à la documentation de votre logiciel pour plus d'informations.

With FREE another French Internet ADSL provider, the procedure is identical.

Redirections de ports:

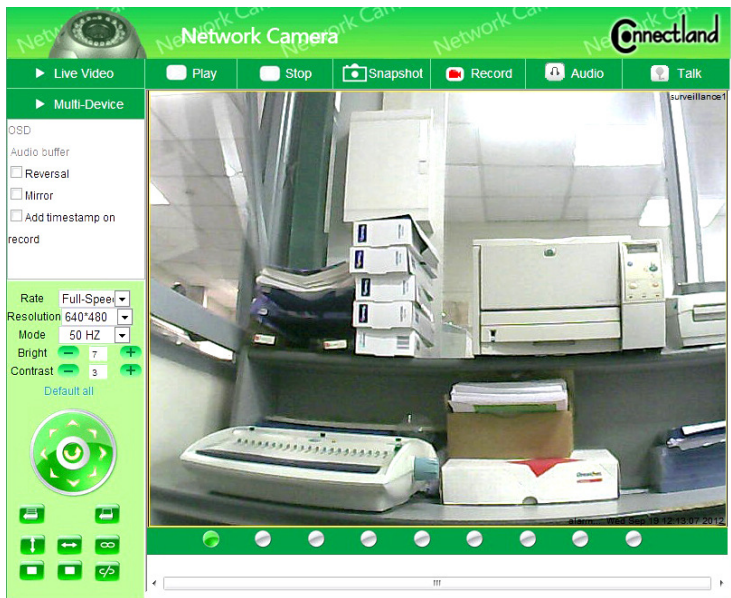
PortProtocoleDestinationPort

192.168.

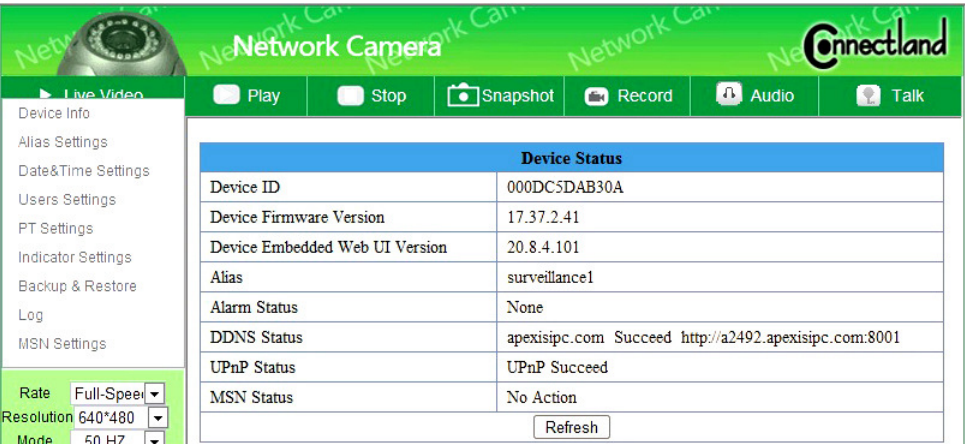
Ajouter

Enter the name, external and destination ports, in our example 8001, choose TCP as protocol and IP address (in our example 192.168.1.73). Check Add case.

In **Audio/Video**, you can set OSD, audio buffer, reversal and mirror, add timestamp on record.



In **System**, you will have device info. You can change the camera (here surveillance1), the date and the time. You can define the users properties according 3 classes : administrator, operator (can move the camera and change some settings) and visitor (can only see the camera), and other parameters. Once you have chosen the option, click on **Submit** to validate the change.



PT settings can set the camera speed from 0 to 10.
There a log journal which list all connections made and motion detect.

In **Other**, you can set mail service, FTP service, alarm service, path setting.

The screenshot shows the 'Network Camera' web interface with the 'Connectland' logo. The left sidebar contains a menu with 'Live Video', 'Multi-Device', 'Network', and 'Audio video' highlighted. Below these are links for 'Mail Service Settings', 'Ftp Service Settings', 'Alarm Service Settings', and 'Path Settings'. A control panel on the left includes a 'Rate' dropdown set to 'Full-Speed', a 'Resolution' dropdown set to '640*480', a 'Mode' dropdown set to '50 HZ', and sliders for 'Bright' (set to 7) and 'Contrast' (set to 3). A 'Default all' button and a circular navigation pad are also present. The main content area is titled 'Mail Service Settings' and contains a table for configuring email notifications.

Mail Service Settings	
Sender	@yahoo.fr
Receiver 1	@yahoo.fr
Receiver 2	
Receiver 3	
Receiver 4	
SMTP Server	smtp.mail.yahoo.fr
SMTP Port	465
Transport Layer Security Protocol	None
	Gmail can support TLS, only based on port 465 Gmail can support STARTTLS, only based on port 25/587
Need Authentication	<input checked="" type="checkbox"/>
SMTP User	@yahoo.fr
SMTP Password	*****
	<input type="button" value="Test"/> Please set at first, and then test.
Report Internet IP by Mail	<input checked="" type="checkbox"/>
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

Go in **Other** then **Mail service settings**. You can set up to 4 receivers. Check that your Internet provider mail service support SMTP mode without SSL or TLS encryption. Enter SMTP name and SMTP port. You can use Hotmail, Gmail. Make a test then click on **Submit**.

If authentication is request, check the **Need authentication** option and enter SMTP name and its password.

If you want to send snapshots on FTP server, go in FTP Service settings. Enter the names on FTP case. If you choose as FTP mode option PASV, check that your server supports PASV mode.

Go to **Other** then **Alarm service settings** to active motion detection, alarm input, sound on alarm, record on alarm. Check the wanted option.

The screenshot shows the 'Network Camera' web interface with the 'Connectland' logo. The left sidebar contains a menu with 'Live Video', 'Multi-Device', 'Network', 'Audio video', 'System', and 'Other' highlighted. The main content area is titled 'Alarm Service Settings' and contains a table for configuring alarm notifications.

Alarm Service Settings	
Motion Detect Armed	<input type="checkbox"/>
Alarm Input Armed	<input type="checkbox"/>
Sound on Alarm	<input checked="" type="checkbox"/>
Record on Alarm	<input checked="" type="checkbox"/>
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

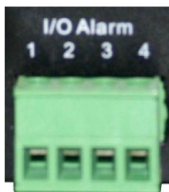
I/O alarm setting

If you want to connect external alarm peripheral such as personal infrared sensor. You have to activate in **Other, Alarm service settings** the option **Alarm input armed**. Then choose and check desired option.

The screenshot shows the 'Network Camera' web interface. On the left is a sidebar with navigation options: Live Video, Multi-Device, Network, Audio video, System, and Other. The 'Other' option is selected. Below the sidebar are controls for video settings: Rate (Full-Speed), Resolution (640*480), Mode (50 HZ), Bright (7), and Contrast (3). The main area displays the 'Alarm Service Settings' page. It contains a table of settings with checkboxes and dropdown menus. The 'Alarm Input Armed' setting is checked. Below the settings table is a scheduler grid for days of the week and hours of the day. At the bottom, there are checkboxes for 'Sound on Alarm' and 'Record on Alarm', both of which are checked.

Alarm Service Settings	
Motion Detect Armed	<input checked="" type="checkbox"/>
Motion Detect Sensibility	7 (the bigger number, the higher sensitivity)
Start the motion detection compensation	<input checked="" type="checkbox"/> (Reduce false alarms in case of the light mutation)
Alarm Input Armed	<input checked="" type="checkbox"/>
Triger Level	High
IO Linkage on Alarm	<input checked="" type="checkbox"/>
Output Level	High
Alarm Notification by Http	<input type="checkbox"/>
Send Mail on Alarm	<input checked="" type="checkbox"/>
Call the preset position	3
Upload Image on Alarm	<input type="checkbox"/>
Scheduler	<input checked="" type="checkbox"/>
Day	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Sun	
Mon	
Tue	
Wed	
Thu	
Fri	
Sat	
Sound on Alarm	<input checked="" type="checkbox"/>
Record on Alarm	<input checked="" type="checkbox"/>

Then connect the peripheral at the back of the camera.



1 Output

2 Output

3 Alarm Input

4 Input (GND)

Camera access from computer

If you want to access to the camera from your computer, click on **IP camera tool** icon on desktop.

If you want to access to the camera from Internet, type the IP address of your camera with its port by example <http://81.250.250.250:8001>.

You can also type DDNS name, here in our example : <http://a2492.apexispc.com>

You will have authentication asking for name and password.

Camera access from mobile phone or from smartphone

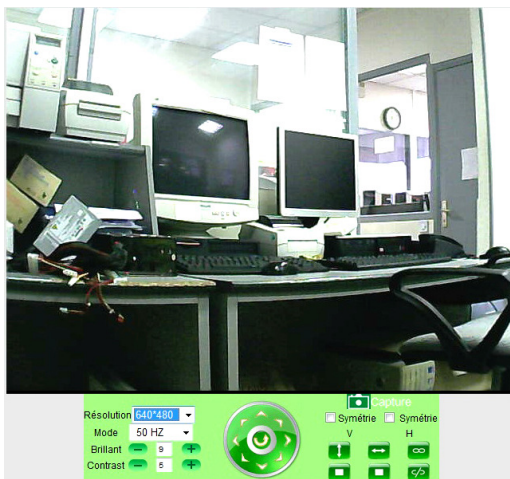
If you want to access to the camera from mobile phone or smartphone, you can use Internet browser.

Type the IP address with its port (ex: <http://81.250.250.250:8001>).

You can also type DDNS name, here in our example : <http://a2492.apexispc.com>

You can use application such as Tiny Camera, CamViewer, etc...

Follow instructions given by the application. Then launch the application. You will have this window:



You can move the camera and set some parameters.

For more information, you will find full PDF manual on the enclosed CD.

Troubleshooting

-If you have dynamic IP which change according the connection to your Internet provider such as French ADSL provider SFR or Orange, install the utility **DynDNS Updater** that you can easily found on Internet.

-If you have no screen, check that you have install ActiveX

-I have forgotten administrator username and password: press and hold Reset button at the rear camera. You will have by default admin as username and nothing as password.



This product is in compliance with the essential requirements of the European Directives for which it is concerned. You can download declaration of conformity on the website : <http://www.connectland.eu>