

PiXORD

**H.264 Series 2-Megapixel
Network Camera**

P600 / P600PoE

User's Manual



Version: 1.1

Date: 09/22/2009

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Notices

This user manual is intended for administrators and users of the PiXORD P-600 Network Camera, including instructions for using and managing the camera on your network. The use of surveillance devices may be prohibited by law in your country. It is the user's responsibility to ensure that the operation of such devices is legal before installing this unit for its intended use.

Before the Network Camera is installed, all the safety and operating instructions should be carefully read and followed to avoid damage due to faulty assembly and installation. This also ensures the product is used properly as intended.

Heed all warnings

- **Do not drop or strike this equipment**
Sensitive electronics inside the camera are vulnerable to excessive strike.
- **Do not install the equipment near any flames or heat sources**
Excessive heat could damage this equipment.
- **Do not cover cloth or to install this equipment in poorly ventilated places.**
Overheating could damage this equipment.
- **Do not expose this equipment to rain or moisture. Do not touch the power connection with wet hands**
Risk of short circuit, electric shock or fire
- **Do not damage the power cord or leave it under pressure**
Risk of fire or shock circuit
- **To reduce the risk of electric shock, do not remove the Cover (or Back).**
No user-serviceable parts inside. Misusage, improper, and negligence could damage this equipment. Need to refer servicing to qualified service personnel.
- **Do not continue to operate if there appears to be fault.**
If the unit ceases to function, contact qualified service personnel for help.
- **All work related to the installation of this product should be made by qualified service personnel or system installers.**

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Support

If you require any technical assistance, please contact your PiXORD reseller. You can connect to the Internet PiXORD's website: www.pixord.com for below information,

- Download user documentation and firmware updates at PiXORD Support
(<http://www.pixord.com/support/support.asp>)
- Find answers to resolved problems in the FAQ database. Or contact our FAE at technical support
(<http://www.pixord.com/contact2.asp>)

Introduction

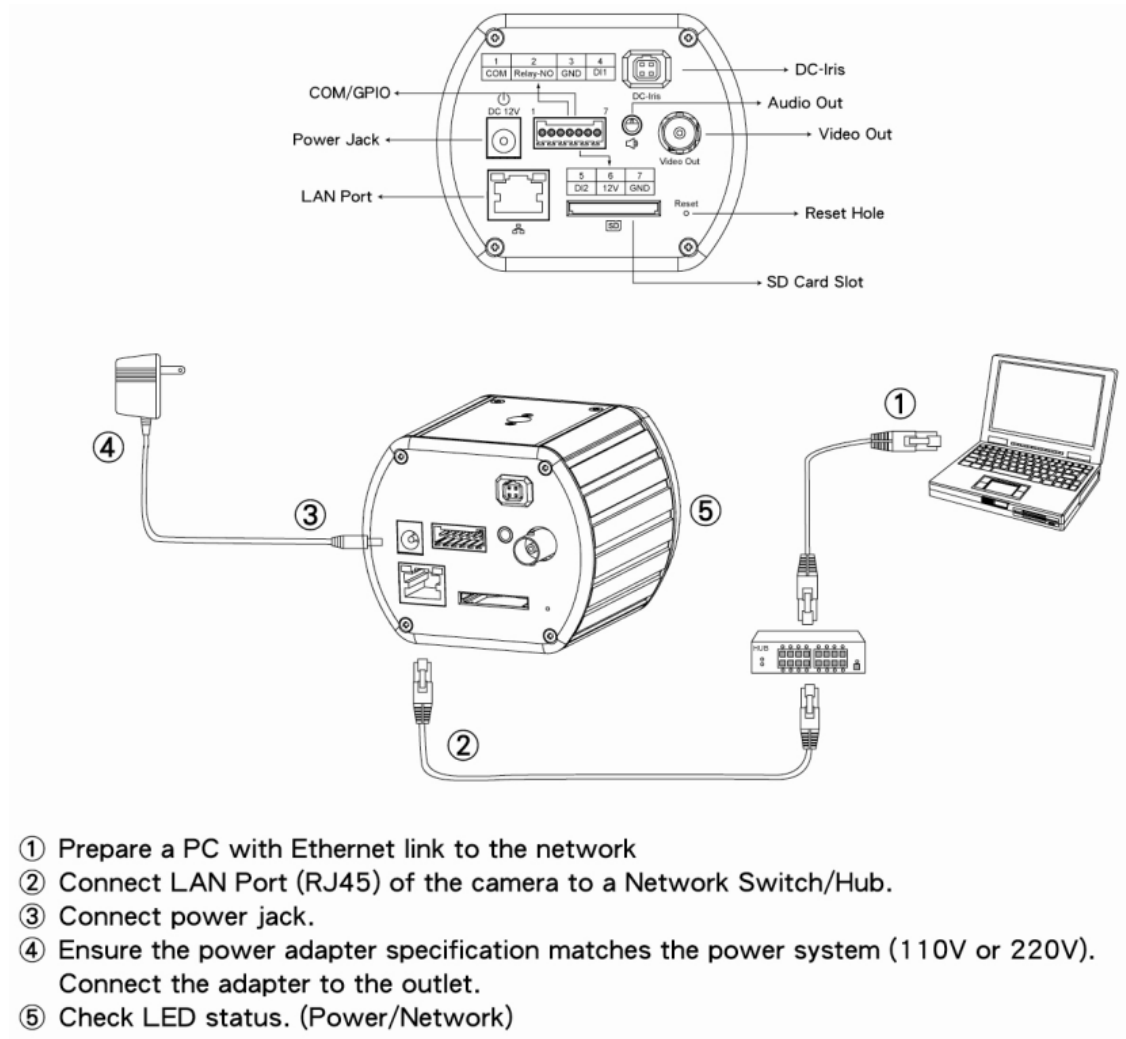
PIXORD P-600 Network Camera delivers superior H.264-AVC performance, state of the art design and function. P-600 is specifically adapted for maximum performance indoor applications, such as commercial, banking, government buildings, schools, universities and airports.

H.264-AVC video compression can lower bandwidth and storage requirements without compromising image quality; Motion JPEG is supported for increased flexibility, as well as multiple independent video streaming.

P-600 value-added features include; on-board video motion detection, SD slot for storage recording, and two-way audio. P-600 PoE available, full PoE (IEEE-802.3af) feature supplies power to the camera via the network, eliminating the need for power cables, reducing installation costs and complexity. Consequently, P-600 is “Best in Class” for maximum performance IP video surveillance systems, demanding superior image quality, ease of installation, and intelligent video capabilities.

Installation

1. Hardware Connection



2. Software Installation

The following software is necessary for the proper display and use of the P600 from the Web site. The software will be taken from the Software Package CD.

IP Installer

The IP Installer is used to locate and configure network cameras and video servers on the LAN. This utility is useful for conveniently configuring the network settings of the device, or for finding a device once the network settings have been modified.

To install the IP Installer, from the Software Package CD UI, select IP installer, then follow the on screen instructions.

XVID Codec

An H.264 codec is applied for displaying the video stream and playing the recorded AVI files. If the video stream can't be displayed or the recorded AVI files can't be play on PC, install this software from the Software Package CD.

VLC

Though not necessary, this can be used for viewing the streaming without a Web browser.

3. Network Configuration

IP Installer is a utility that provides an easier, more efficient way to configure the IP address and network settings of the devices. It even provides a convenient way to set the network settings for multiple devices simultaneously using the batch setting function. Moreover, IP Installer can save the network settings for all devices as a backup and restore them when necessary.

Preparation before IP Assignment

1. Always consult your network administrator before assigning an IP address to your server in order to avoid using a previously assigned IP address.
2. Ensure the P600 is powered on and correctly connected to the network.
3. MAC Address: Each device has a unique Ethernet address (MAC address) shown on the label of the device as the serial number (S/N) with 12 digits (e.g. 000429-XXXXXX).



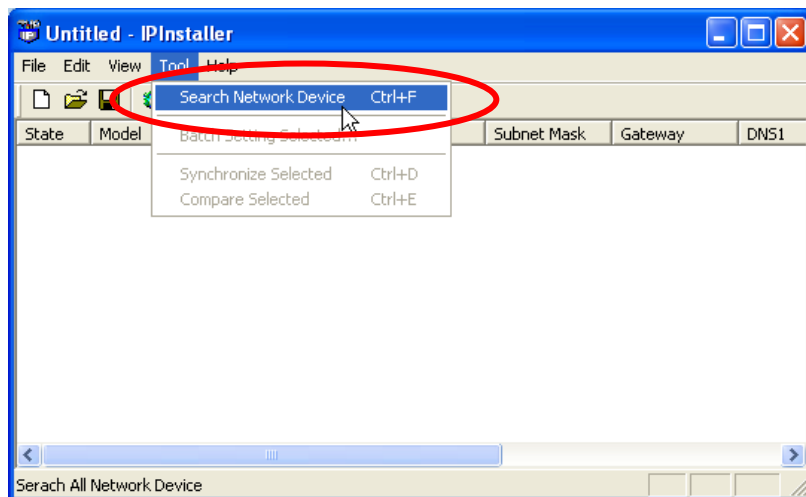
4. Although the IP Installer is able to find and configure any P600 on the LAN except those that are behind a router, it is a good idea to set the host PC to the same subnet. In order to connect to the Web-based user interface of the camera, the host PC must be in the same subnet. For more information about subnets, please consult your network administrator.

Using IP Installer to Assign an IP Address to P600

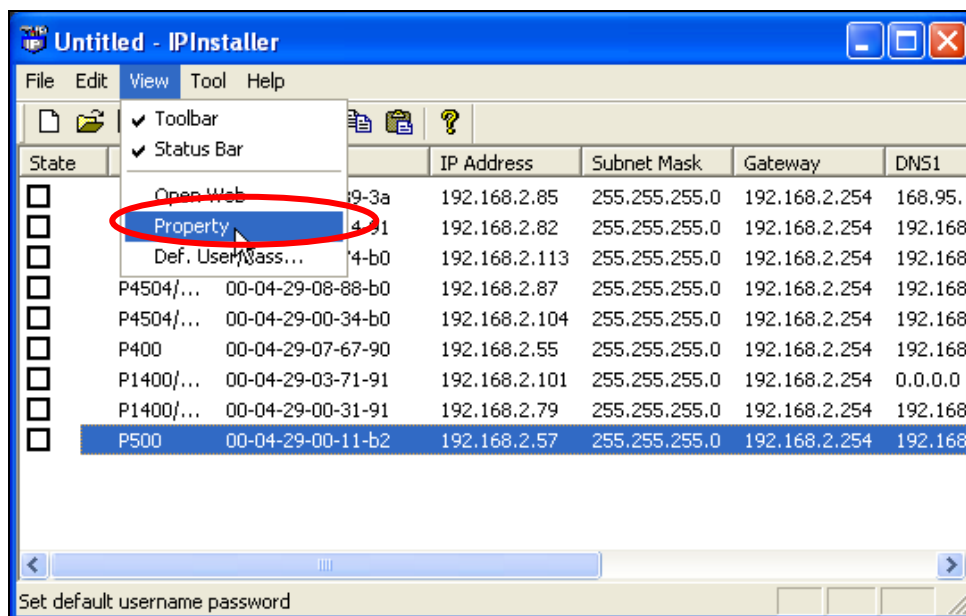
1. Once IP Installer has been successfully installed on the PC, double click the IP Installer icon on the desktop, or select it from Start > Programs > IP Installer > IP Installer > Launch IP Installer.



2. Click the menu bar Tool > Search Network Device to search the device in the LAN.



3. From the list, select the device with the MAC Address that corresponds to the P600 that is to be configured. The MAC Address is identical to the unit's S/N (Serial Number).
4. Double click the item to open the Property Page for the selected device or click the menu bar View > Property.



5. After filling in the properties, click [Synchronize] button to complete the configuration settings in the remote device while saving configuration in the PC. If click [OK] button, the configuration is only be saved in the PC.

Open the Web-based UI of the Selected camera

1. To access the Web-based UI of the selected unit, run the View > Open Web on the menu bar.
2. If the device has been configured correctly, the default Web browser will open to the home page of the selected device.
3. If you find your browser is opened and automatically connected to the camera Home Page, it means you've assigned an IP Address to the unit successfully. Now you can close the IP Installer and start to use your camera.

Verify and Complete the Installation from Your Browser

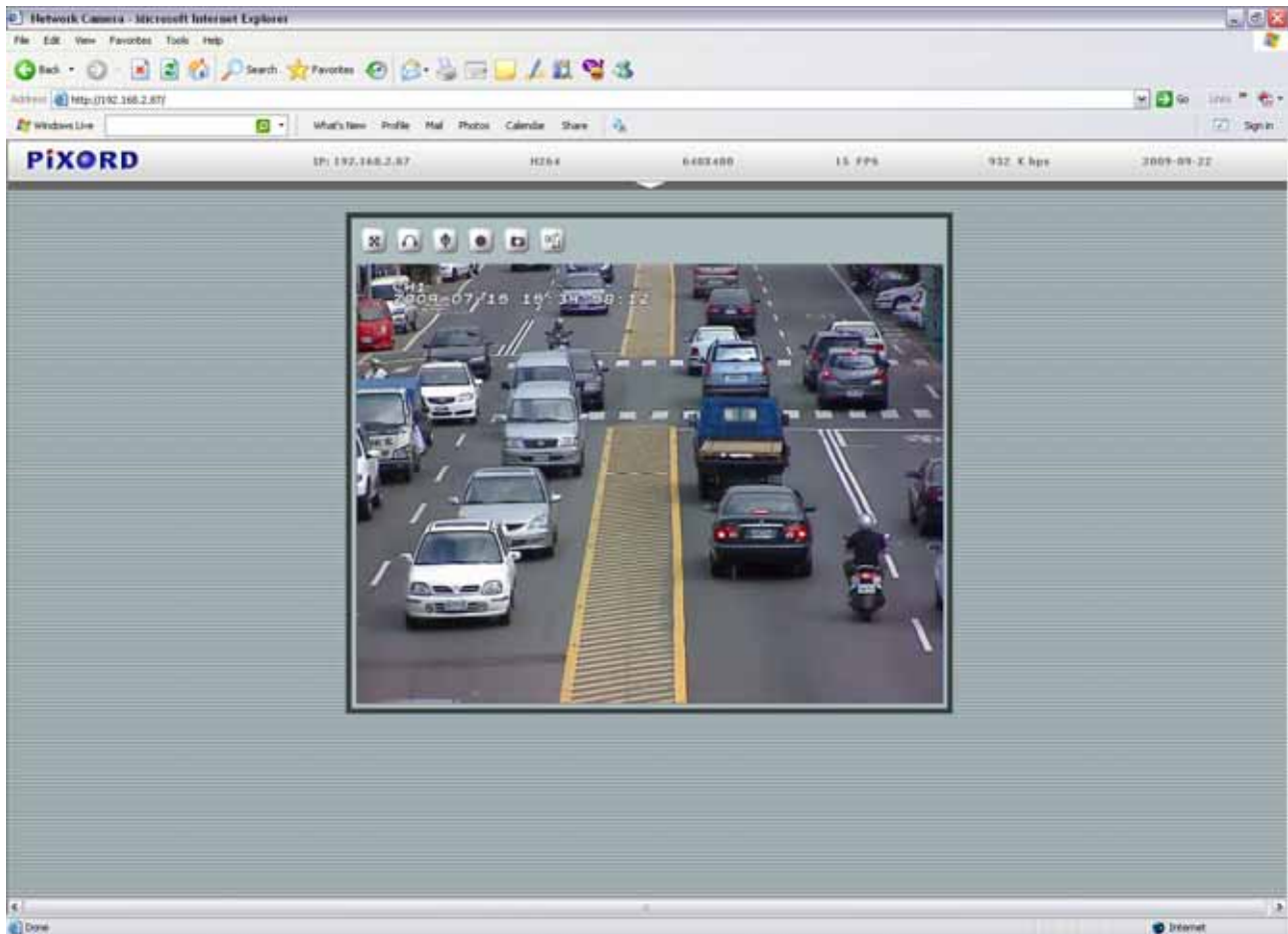
When browsing the Home Page at the first time with the Microsoft Internet Explorer™, you must temporarily lower your security settings to perform a one-time-only installation of the ActiveX component onto your workstation, as described below:

1. From the Tools menu, select [Internet Options]
2. Click the [Security] tab and then click [Custom Level] button to see your current security settings.
3. Set the security level to Low and click [OK].
4. Type the URL or IP address of your camera into the Address field.
5. A dialog box will pop up asking if the ActiveX control should be installed. Click [Yes] to start the installation.

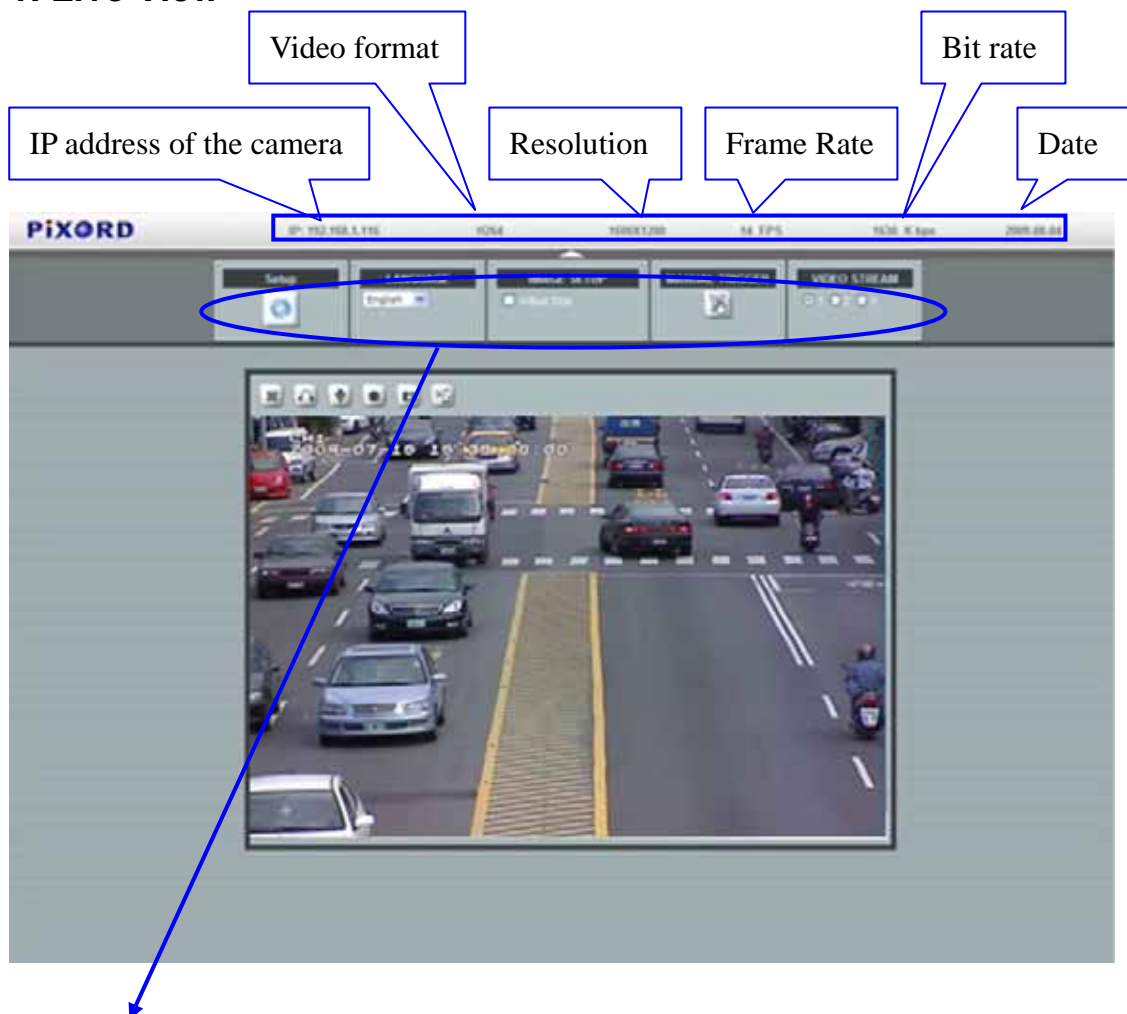
Once the ActiveX installation is complete, return the security settings to their original value, as noted above.


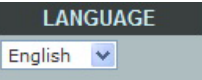



Using the Web UI

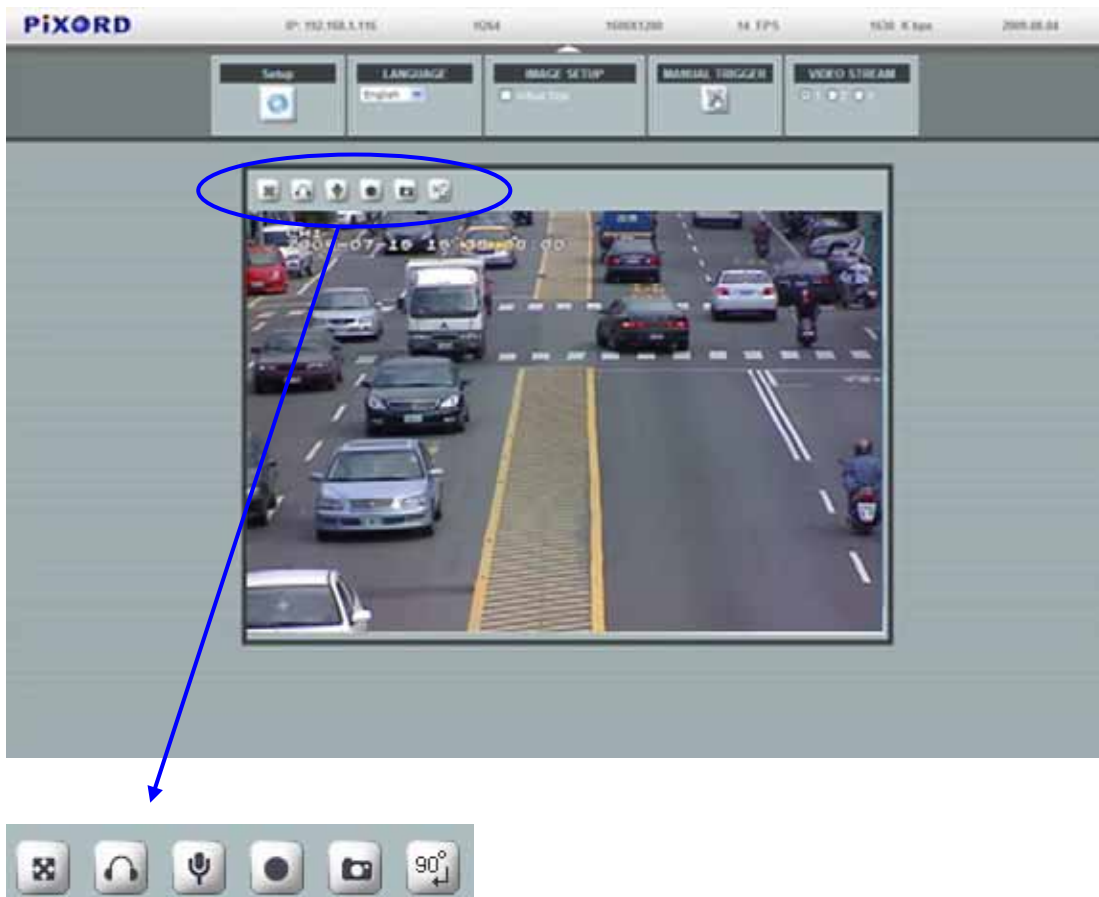
Start your Web browser and enter the URL or IP address in the Address field. The Home page of the camera is now displayed.









1. Live View



Button	Description
	Click for more general/advance camera settings
	Select languages among English, traditional Chinese and simplify Chinese
	Check actual size to view the actual size (resolution) of the image
	Click to trigger the alarm manually
	Choose among the 3 streams for viewing



Button	Description
	Full screen
	Listen the audio input from local end
	
	Record instant live video
	Snapshot the image
	Rotate image 90 degrees clockwise

Configuration Pages List

Video

- General
- Advance
- External Video Source

Camera:

- General
- Advance

Event

- Event Server
- Motion Detection
- I/O Ports
- Event Configuration

Schedule

- General
- Storage

Network

- General
- Advance
- SMTP (E-mail)
- DDNS

System

- Information
- User
- Date & Time
- Server Maintenance
- Log Service

Customize

- Style Layout

2. Video

General

The screenshot shows a web-based configuration interface for video settings. At the top, there is a horizontal menu with tabs: 'Live View', 'Video' (which is highlighted with a red underline), 'Camera', 'Event', 'Schedule', 'Network', 'System', and 'Customize'. Below this menu, there is a sub-menu with two tabs: 'General' (which is highlighted with a blue underline) and 'Advanced'. The 'General' tab contains two main sections: 'Video General Setting' and 'OSD Setting'. The 'Video General Setting' section has four checkboxes: 'Enable Stream 1' (checked), 'Enable Stream 2' (checked), 'Enabled Digital PTZ' (unchecked), and 'Enable Stream 3' (checked). The 'OSD Setting' section has three checkboxes: 'Enable' (checked), 'Camera Name' (checked), and 'Date/Time' (checked). The 'Camera Name' checkbox is followed by a text input field containing 'CH1' and a label '(20 character max)'. At the bottom right of the 'General' tab, there is a 'Save' button.

Video General Setting	
<input checked="" type="checkbox"/>	Enable Stream 1
<input checked="" type="checkbox"/>	Enable Stream 2
<input type="checkbox"/>	Enabled Digital PTZ
<input checked="" type="checkbox"/>	Enable Stream 3

OSD Setting	
<input checked="" type="checkbox"/>	Enable
<input checked="" type="checkbox"/>	Camera Name: CH1 (20 character max)
<input checked="" type="checkbox"/>	Date/Time

Save

Video General Setting: Check each box to enable streams (max 3) for live viewing

Note: Digital PTZ is only available with stream 2

OSD Setting: Enable OSD to display camera name and date/time on the image

Advanced

The screenshot shows a web interface for video settings. At the top, there are tabs: Live View, Video (selected), Camera, Event, Schedule, Network, System, and Customize. Below these, there are sub-tabs: General, Advanced (selected), and External Video Source. The Advanced tab contains three sections: Stream 1 Setting, Stream 2 Setting, and Stream 3 Setting. Each section has fields for RTSP Path, Resolution, Video Mode, Image Format, GOP, Frame Rates, and Target Bit Rates (for Stream 1). A Save button is at the bottom.

Stream 1 Setting	
RTSP Path:	v00
Resolution:	640 x 480
Video Mode:	CBR
Image Format:	H.264
GOP:	30 (1~150)
Frame Rates:	30 (5~30 FPS)
Target Bit Rates:	2000 (64~6000 Kb)

Stream 2 Setting	
RTSP Path:	v01
Resolution:	640 x 480
Video Mode:	VBR
Image Format:	H.264
GOP:	30 (1~150)
Frame Rates:	30 (5~30 FPS)
Quality Level:	Standard

Stream 3 Setting	
RTSP Path:	v02
Resolution:	320x240
Video Mode:	VBR
Image Format:	H.264
GOP:	30
Frame Rates:	30 (5~30 FPS)
Quality Level:	Standard

Save

Stream 1 Setting:

- RTSP Path: It is the stream ID used for RTSP client streaming connection, such as VLC player.
- Resolution: Choose image size from 320x240 to 1600x1200
- Video Mode: Choose between variable bit rate (VBR) and constant bit rate (CBR)
 - VBR-> Choose quality level from best to standard
 - CBR-> Choose target bit rate range from 64 to 6000kb
- Image Format: 2 kinds of format to choose from; MJPEG and H.264
- GOP:
- Frame Rates (FPS): Choose the number of frames to display per second
 - With resolution 1600x1200, FPS can only set up to 15FPS. The rest can set up to 30FPS.

Stream 2 Setting:

Configuration of stream 2 is the same as stream 1.

Note: Resolution can only be set to 320x240 or 640x480

Stream 3 Setting:


Only RTSP path, image format and frame rate can be adjusted, the rest of the settings are fixed.

3. Camera

General

Live ViewVideoCameraEventScheduleNetworkSystemCustomize

GeneralAdvanced



Camera General Setting

Brightness:

0

Hue:

0

Saturation:

0

☐ Rotation 180

Audio Setting

☒ Audio Enable

Web Record Setting

Save Path:

File Name:

Browse

Web Snapshot Image Setting

Save Path:

File Name:

Browse

DefaultSave

Camera General Setting:

- Brightness, hue and saturation: Adjust the image for a better view
- Rotation 180: Rotate the image by 180 degrees, so that the image becomes upside down. This function is useful when camera device must be physically installed in vertically reversed direction.

Audio Setting:

- Audio Enable: Turn on/off the audio

Web Record Setting:

- Save Path / File name: Click on the "Browse" button to select the desired path to save as well as naming the video file.

Web Snapshot Image Setting:

- Save Path / File name: Click on the "Browse" button to select the desired path to save as well as naming the snapshot

Default:

- Set **[camera general setting]** and **[audio setting]** back to default

Note: Will not change the configuration of **[Web Record Setting]** and **[web Snapshot Image Setting]**


Save:

- Save the changes that have been made

Advance

Live ViewVideoCameraEventScheduleNetworkSystemCustomize

GeneralAdvanced



White balance:Auto

Exposure:Auto

Max Exposure Time:1/30 s

Max Gain Control:31 dB

Infrared(IR) Cut Filter:Depending on light intensity

Save

White balance: Adjust the white balance according to the environment

Exposure: Select the exposure frequency

Max Exposure Time: Increase / reduce the exposure time for lens

Max Gain Control: image at low light control on how much noises are allowed

Infrared(IR) Cut Filter: Lighting condition enables the IR Filter to isolate the infrared light at daytime or disable this filter so the infrared light can go into the camera. The IR Cut Filter can be manually set to On/Off.

4. Event

[Live View](#)

Video

Camera

Event

Schedule

Network

System

Customize

Event Server

Motion Detection

I/O Ports

Event Configuration

Event Server List

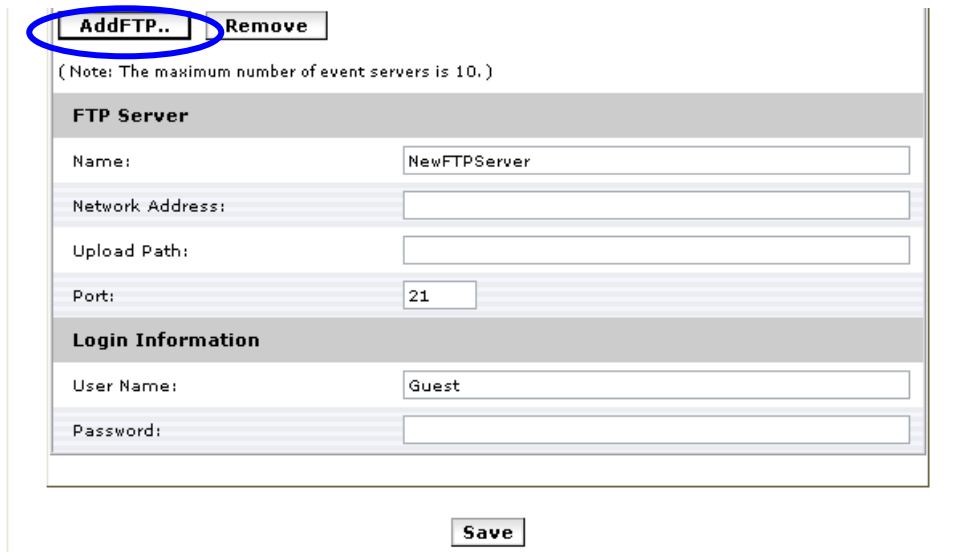
Name	Protocol	Network Address	Upload Path	User Name
------	----------	-----------------	-------------	-----------

AddFTP..

Remove

(Note: The maximum number of event servers is 10.)

Event Server



(Note: The maximum number of event servers is 10.)

FTP Server

Name: NewFTPServer

Network Address:

Upload Path:

Port: 21

Login Information

User Name: Guest

Password:

Save

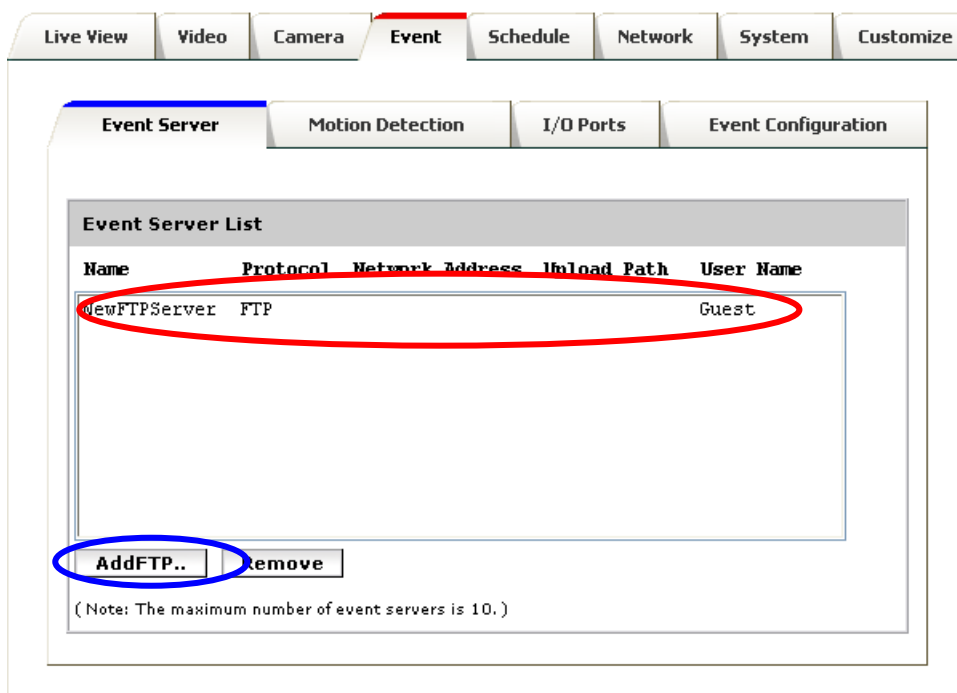
Click on the **[Add FTP]** to expand FTP server setting

FTP Server:

- Name: Give a name for the FTP server
- Network Address: Input the network address of the FTP server
- Upload Path: Choose the desired upload path for events
- Port: Input the port number of the FTP server

Login Information:

- Username / Password: Input the username and password of the FTP



Live View Video Camera **Event** Schedule Network System Customize

Event Server Motion Detection I/O Ports Event Configuration

Event Server List

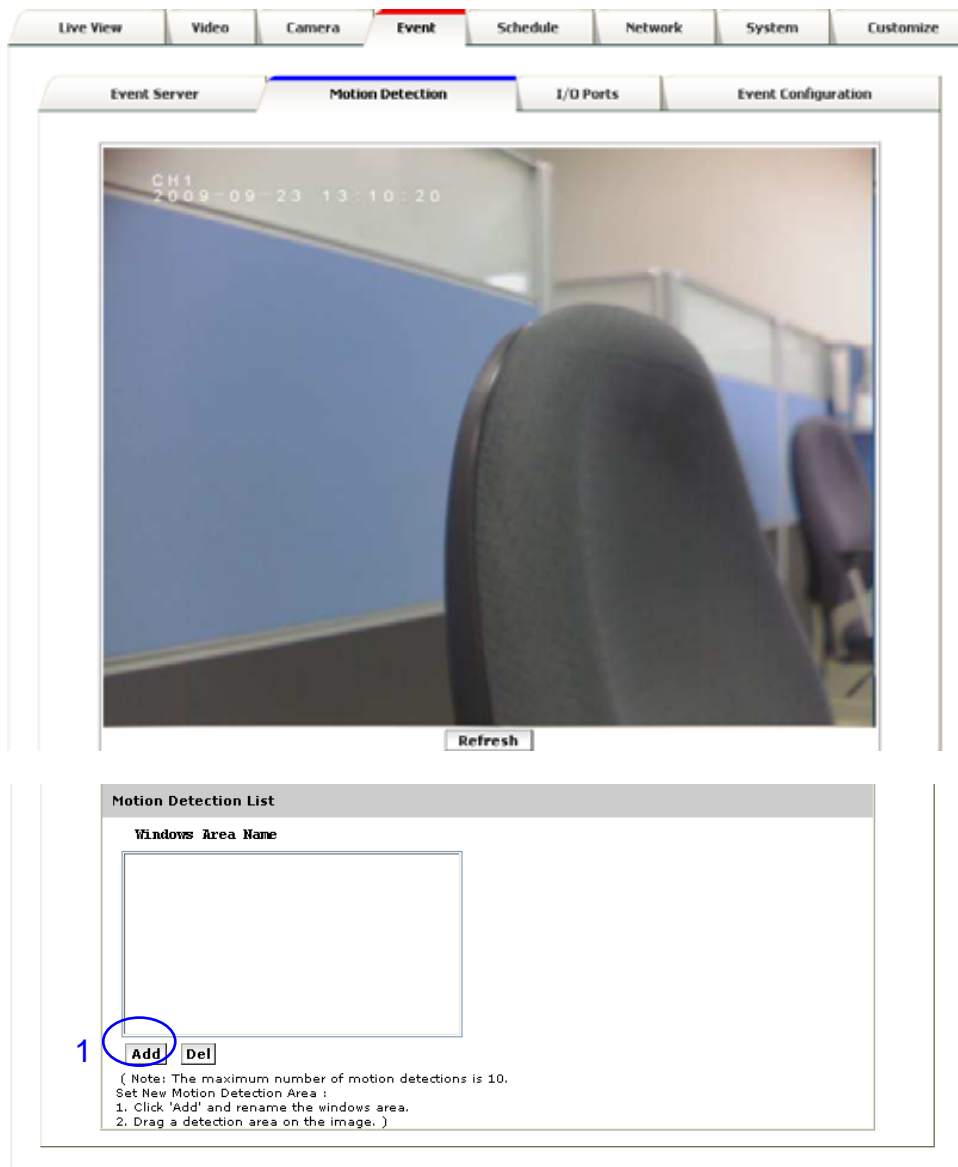
Name	Protocol	Network Address	Upload Path	User Name
NewFTPServer	FTP			Guest

AddFTP.. Remove

(Note: The maximum number of event servers is 10.)

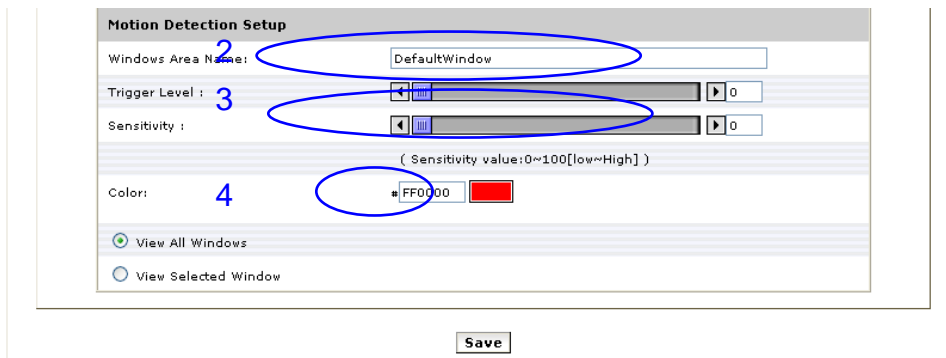
Click **[Remove]** to delete selected event servers (circled in red)

Motion Detection



To add a motion detection area:

1. Click on **[Add]** to set up a detection area
(Set up panel will be expanded)



Motion Detection Setup

Windows Area Name: (2)

Trigger Level: (3)

Sensitivity: (3)

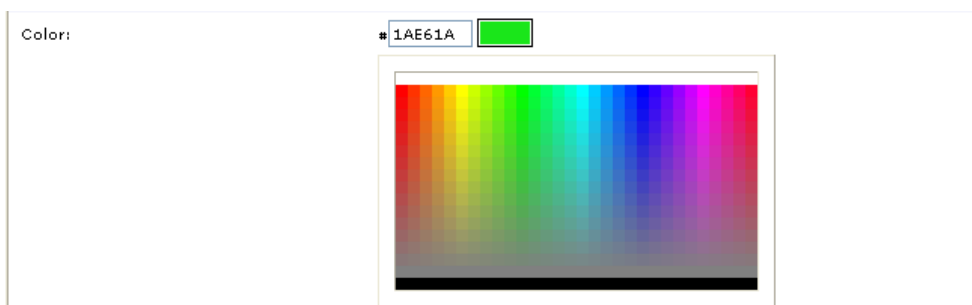
(Sensitivity value: 0~100[low~High])

Color: (4)

☒ View All Windows

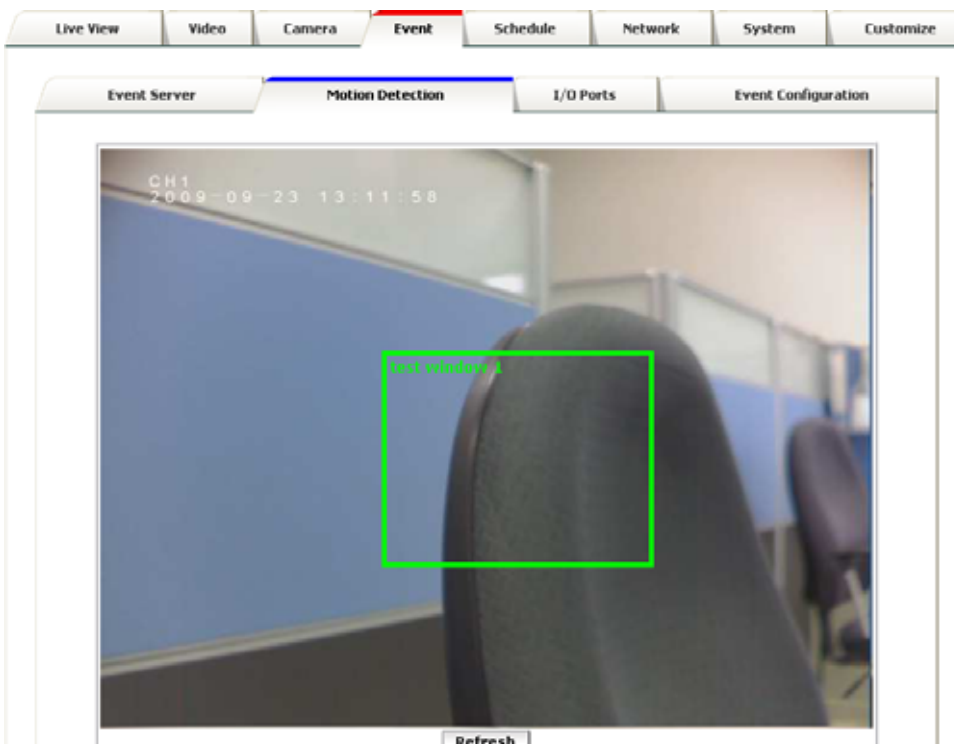
☐ View Selected Window

2. Give a name to this window area
3. Select the trigger level and sensitivity for this detection window (0~100, low~high)
4. Select color for detection window



Color:

5. Draw detection window on the image



6. Once everything is done, click on **[Save]** to save the configuration made.

Configured detection window will be displayed in motion detection list (circle in blue)

Motion Detection List

Windows Area Name
test window 1

(Note: The maximum number of motion detections is 10.
 Set New Motion Detection Area :
 1. Click 'Add' and rename the windows area.
 2. Drag a detection area on the image.)

Note: Maximum number of detection window is 10

I/O Ports

Live View Video Camera **Event** Schedule Network System Customize

Event Server Motion Detection **I/O Ports** Event Configuration

Input Ports Setting 1	
Name:	Input1
Current State:	high

Input Ports Setting 2	
Name:	Input2
Current State:	high

Output Ports Setting	
Name:	Output1
Current State:	low

Input Ports Setting 1 and 2:

- Name: The name of Digital Input1/2
- Current State: Current Input state

Output Ports Setting:

- Name: The name of relay output
- Current State: Current Output state

Event Configuration

Live View Video Camera **Event** Schedule Network System Customize

Event Server Motion Detection I/O Ports **Event Configuration**

Event Record File

File Format: JPEG

Event Type List

Name	Status	Enable	Trigger	Actions
------	--------	--------	---------	---------

Add... Remove

(Note: The maximum number of events is 10.
Fu=FTP Upload, Hu=HTTP Upload, Eu=Email Upload, O=Output Port, En=Email Notification,
Hn=HTTP Notification, Tn=TCP Notification.)

To add an event trigger, click on **[Add]** and setup panel will be expanded

Event Type Setup

Name:

Set min time between triggers: (max 23:59:59)

Respond to Trigger

☒ Always

☐ Only during time frame

☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

Start Time : (max 23:59:59)

Duration : (max 168:00:00)

☐ Never

Trigger by ▼

When Triggered...

☐ Upload Images

☐ Activate Output Port

☐ Send Email Notification

Save

2. Give a name to this event.

3. Set the time interval between each trigger

4. Set the time period for the trigger. Choose “Always”, “During time frame” or “Never”

During time frame: Choose a day and the starting time then configure the duration time (168hrs = 24x7).

For example if duration time is set to 168(hrs), it is the same as choosing “Always”

5. Choose the triggering condition, “GPIN”, “Manual trigger”, “Motion detection” and “On boot”

6. Choose the triggered event. “Upload images”, “Active Output port”, “Send email notification”

7. Finally click on **[Save]** to save the configuration made.

5. Schedule

General

Define the day (specified by days of a week) and time (specified by each single hour) for that will be recording during the scheduled period. Note that only video data will be recorded. User can select which video stream should be recorded, and the size of each sliced file. When the check box is ticked and setting is saved, recording process starts. Recording files are saved to the SD storage.

The screenshot displays the 'Schedule' configuration window with the 'General' tab selected. The interface includes a top navigation bar with tabs: Live View, Video, Camera, Event, Schedule (highlighted), Network, System, and Customize. Below this, the 'General' tab contains the following settings:

- ☒ Enabled
- Stream: ☒ 1 ☐ 2 ☐ 3
- Slice File Size: 50 (MB)
- Save Device Type: Local Disk

A 7x24 grid is used to define the recording schedule by day and hour. The columns represent hours from 0 to 23, and the rows represent days from Monday to Sunday. A legend at the bottom left shows a red square indicating 'Scheduled'.

All	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon.																								
Tue.																								
Wed.																								
Thu.																								
Fri.																								
Sat.																								
Sun.																								

Legend: ■ Scheduled

Save

Storage

Display the storage information, includes disk size info, type and status. The warning message shows when recording is on process; SD card should not be removed during the recording process.

The screenshot displays a web-based configuration interface for a system. At the top, there is a horizontal menu with tabs: 'Live View', 'Video', 'Camera', 'Event', 'Schedule' (highlighted with a red underline), 'Network', 'System', and 'Customize'. Below this menu, there are two sub-tabs: 'General' and 'Storage' (highlighted with a blue underline). The 'Storage' tab contains a 'Disk Status' section with the following information:

Disk Status	
Model Name:	/dev/mmcblk0p1
Total Size:	1929024 KB
Used Size:	1788864 KB
Free Size:	140160 KB
Disk Type:	SD
Disk Status:	recording

Below the table, there are three buttons: 'Refresh', 'Browse', and 'Remove Event Images'. At the bottom of the 'Storage' tab, a red warning message is displayed: 'The system is recording now, please stop recording first!'.

6. Network

General

Device IP configuration, includes DHCP and Static IP setting. “Enable ARP/Ping” enable device to accept ARP or ping packets from the network. Disable this option may provide extra security from intentional ping.

The screenshot shows a web interface for network configuration. At the top, there are tabs: Live View, Video, Camera, Event, Schedule, Network (selected), System, and Customize. Below these, there are sub-tabs: General (selected), Advanced, SMTP(E-Mail), and DDNS. The General tab contains the following settings:

- ☐ DHCP Service
- ☒ Static IP Address:
 - IP Address: 192.168.4.27
 - Netmask: 255.255.255.0
 - Gateway: 192.168.4.254
 - DNS 1: 0.0.0.0
 - DNS 2: 0.0.0.0
- ☒ Enable ARP/Ping

At the bottom of the General tab, there is a **Save** button.

Advanced

Enable or configure other network functions.

NTP: Configure a NTP (Network Time Protocol) server, so that the device system date and time can be synchronized with a specified Time Server. This configuration is provided for one of the portions of system date/time adjustment.

HTTP: set the HTTP port that will be applied for Web UI access.

RTSP: set the RTSP (Video) port for video data transmission.

HTTPS: Enable/Disable Http security function.

Bonjour: Enable Bonjour service, so that the device can be discovered with “Bonjour” service applied.

UPnP: Enable UPnP, so that the device can be discovered in an UPnP Compliant Network.

NAT Traversal: Enable NAT traversal, so that client from Internet can have access to the devices behind the Router.

Note: with UPnP enabled, the IP Sharing device (Router) capable of UPnP function will automatically be noticed with the device's NAT port.

The screenshot displays the 'Network' configuration page, specifically the 'Advanced' tab. The page is organized into several sections, each with a title bar. The 'NTP Configuration' section has two radio buttons: 'Obtain NTP server address via DHCP' (unselected) and 'Use the following NTP server address:' (selected). Below this, a text field for 'Network address:' contains 'time.stdtime.gov.tw', with a note '(host name or IP address)' below it. The 'HTTP Setting' section has a text field for 'HTTP Port:' set to '80'. The 'FTP Setting' section has a checked checkbox for 'Enable FTP Server'. The 'RTSP Setting' section has a text field for 'RTSP Port:' set to '554'. The 'HTTPS Setting' section has an unchecked checkbox for 'Enable HTTPS'. The 'Bonjour Setting' section has a checked checkbox for 'Enable Bonjour' and a text field for 'Friendly Name:' set to 'IPCam'. The 'UPnP Notification' section has a checked checkbox for 'Enable UPnP'. The 'NAT Traversal Setting' section has a checked checkbox for 'Enable NAT Traversal', followed by three text fields: 'NAT-T HTTP Port:' set to '8000', 'NAT-T RTSP Port:' set to '8002', and 'NAT-T RTSP Protocol:' set to 'TCP'.

Live View		Video		Camera		Event		Schedule		Network		System		Customize	
General				Advanced				SMTP(E-Mail)				DDNS			
NTP Configuration															
<input type="radio"/> Obtain NTP server address via DHCP															
<input checked="" type="radio"/> Use the following NTP server address:															
Network address: <input type="text" value="time.stdtime.gov.tw"/>															
(host name or IP address)															
HTTP Setting															
HTTP Port: <input type="text" value="80"/>															
FTP Setting															
<input checked="" type="checkbox"/> Enable FTP Server															
RTSP Setting															
RTSP Port: <input type="text" value="554"/>															
HTTPS Setting															
<input type="checkbox"/> Enable HTTPS															
Bonjour Setting															
<input checked="" type="checkbox"/> Enable Bonjour															
Friendly Name: <input type="text" value="IPCam"/>															
UPnP Notification															
<input checked="" type="checkbox"/> Enable UPnP															
NAT Traversal Setting															
<input checked="" type="checkbox"/> Enable NAT Traversal															
NAT-T HTTP Port: <input type="text" value="8000"/>															
NAT-T RTSP Port: <input type="text" value="8002"/>															
NAT-T RTSP Protocol: <input type="text" value="TCP"/>															

SMTP (E-Mail)

Configure an email host in the device that will send email on behalf of the configured email account in a circumstance like sending an email notice to a specified mail address (Event Configuration).

Sender: Complete the Mail Server, Server Port, Authentication information (if required) and the sender email address.

Receiver: the receiver email address

The screenshot shows a web-based configuration interface for a device. At the top, there is a navigation bar with tabs: Live View, Video, Camera, Event, Schedule, Network (highlighted with a red underline), System, and Customize. Below this, there is a sub-navigation bar with tabs: General, Advanced, SMTP(E-Mail) (highlighted with a blue underline), and DDNS. The main content area is titled "SMTP (email) Setting" and contains the following fields:

- Mail Server:** A text input field containing "smtphost.yourdomain.name". Below it, in smaller text, is "(host name or IP address)".
- Server Port:** A text input field containing "25". To its right is a range indicator "[0..65535]".
- Authentication:** A checkbox that is currently unchecked, followed by the label "Authentication".
- User Name:** A text input field containing "username".
- Password:** A text input field containing "*****".
- From (Email Address):** A text input field containing "username@yourdomain.name".

Below the settings section, there is a section titled "Test" with a text input field labeled "Send test email to:" containing "mailto@mailto.com". A "Send" button is located to the right of this field. At the bottom of the configuration area, there is a "Save" button.

DDNS

Dynamic DNS configuration; the network device can be assigned with a host name by registering this service (Internet access required).

Host Name: Assigned name that will be used for access to the device

User Name/Password: Account authentication for logging to this service

Update Time: Periodically, the device updates its access info to sever in the configured time.

Response: the device responds the connection info.

The screenshot shows a web-based configuration interface for a network device. At the top, there is a horizontal menu with tabs: Live View, Video, Camera, Event, Schedule, Network (highlighted in red), System, and Customize. Below this, there is a sub-menu with tabs: General, Advanced, SMTP(E-Mail), and DDNS (highlighted in blue). The DDNS tab is active, displaying the 'Dynamic DNS Setting' form. The form contains the following fields and options:

- ☐ DDNS Enable
- Host Name:
(Link to <http://www.dyndns.org>)
- User Name:
- Password:
- Update Time: (600~86400 Seconds)
- Response:

At the bottom of the form, there is a 'Save' button.

7. System

Information

Lists of System and Network configurations

Live View	Video	Camera	Event	Schedule	Network	System	Customize
-----------	-------	--------	-------	----------	---------	---------------	-----------

Information	User	Date & Time	Server Maintenance	Log Service
--------------------	------	-------------	--------------------	-------------

System	
Model:	PIXORD
System up time:	2009-09-08 10:48:05
Firmware version:	1.0.2_rc7.4391
MAC Address:	00:04:29:01:05:ff
ActiveX Control version:	1.0.1.131
Ethernet	
Status:	Connected
Mode:	DHCP
IP Address:	192.168.6.85
Netmask:	255.255.255.0
Default Gateway:	192.168.6.254
DNS Server	
Primary DNS IP address:	192.168.0.13
Secondary DNS IP address:	192.168.0.16
DDNS	
Status:	no

Refresh

User

Login users for Web access and operations; authentication required. The Check box is for anonymous logging on to the live view page. Logging for further configurations will still require user name and password.

The screenshot shows a web application interface for user management. At the top, there is a navigation bar with tabs: Live View, Video, Camera, Event, Schedule, Network, System (highlighted with a red underline), and Customize. Below this, there is a sub-navigation bar with tabs: Information, User (highlighted with a blue underline), Date & Time, Server Maintenance, and Log Service. The main content area is titled 'User Setting' and contains a checkbox labeled 'Enable anonymous login (no user name or password required)'. Below this is a section titled 'User List' which contains a table with two columns: 'User Name' and 'User Group'. The table has one row with the values 'admin' and 'Administrator'. Below the table are two buttons: 'Add...' and 'Remove'. At the bottom of the main content area is a 'Save' button.

User Name	User Group
admin	Administrator

☐ Enable anonymous login (no user name or password required)

User List

User Name **User Group**

admin Administrator

Add... **Remove**

Save

Date & Time

System date/time configuration. Options of synchronizing with PC and NTP server are provided for automatic adjustment.

Live ViewVideoCameraEventScheduleNetworkSystemCustomize

InformationUserDate & TimeServer MaintenanceLog Service

Current Server Time

Date:2009-09-07Time:09:48:04

Set Server Time

☒ Automatically adjust for daylight saving time changes.

Time Mode:

☐ Synchronize with computer time

Date:2009-09-07Time:09:38:47

☐ Synchronize with NTP server

Time zone:

GMT+08 (Beijing, Hong Kong, Shanghai, Taipei)

☒ Set Manually

Date:2009-09-07Time:09:38:42

(ex: 2008-01-01)(ex: 01:00:00)

Save

Server Maintenance

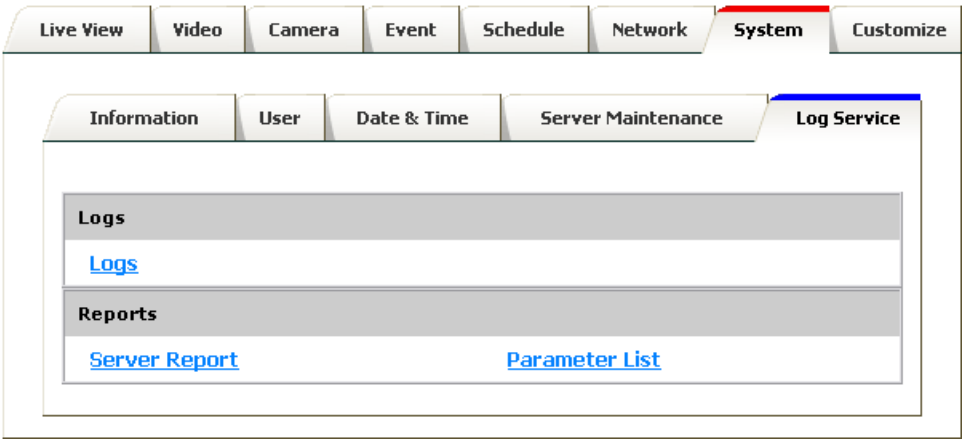
This page provides tool for system maintenance; Reboot and Load default settings, as well as functionalities of launching upgrade process, backup/restore user settings and language defines.

The screenshot shows a web interface for system maintenance. At the top, there is a navigation bar with tabs: Live View, Video, Camera, Event, Schedule, Network, System (highlighted in red), and Customize. Below this, a sub-navigation bar contains tabs: Information, User, Date & Time, Server Maintenance (highlighted in blue), and Log Service. The main content area is titled 'Maintain Server' and contains several sections:

- Maintain Server**: Contains two buttons: 'Reboot' and 'Load default'.
- Firmware Upgrade**: Displays system information: Model: PIXORD, Firmware Version: 1.0.2_rc7.4391, MAC Address: 00:04:29:01:9e:ff, and ActiveX Version: 1.0.1.131. Below this is a text input field for specifying the firmware to upgrade, a 'Browse...' button, and an 'Upgrade' button.
- Backup**: Contains the text 'Save all parameters and user-defined scripts to a backup file.' and a 'Backup' button.
- Upload Setting**: Contains the text 'Use a saved backup file to return the unit to a previous configuration.' and 'Specify the backup file to use:'. Below this is a text input field, a 'Browse...' button, and an 'Upload' button.
- Add Language**: Contains a 'Choose language:' dropdown menu with '日本語' selected, a link to 'Get a language file from /lang/en/lang.js', and 'Select language file to upload:'. Below this is a text input field, a 'Browse...' button, and an 'Upload Language' button.

Log Service

Most system operations and / or process will be kept in a log system. The link provides the review of these records.



7. Customize

This page provides the function of adjusting the look of live view page. There are two types of layout settings; use default look or use custom settings.

The screenshot shows a web interface with a top navigation bar containing tabs: Live View, Video, Camera, Event, Schedule, Network, System, and Customize (which is highlighted with a red underline). Below the tabs is a form titled 'Live View Layout Setting'. Inside this form, there are two radio buttons: 'Use Default Look' (which is selected) and 'Use Custom Settings'. Below the radio buttons is a section titled 'User Defined Links'. This section contains four rows, each with a checkbox labeled 'Show Custom Link' followed by a number (1, 2, 3, 4). Each row also has a 'Name' text input field and a 'URL' text input field. The values in the input fields are 'Custom Link 0', 'Custom Link 1', 'Custom Link 2', and 'Custom Link 3' for the names, and 'http://' for the URLs. At the bottom of the form is a 'Save' button.

Use Default Look: the default layout of live/configuration pages

Use Defined Links: Web link(s) will be presented on the live page when enabled. It can be a link to another IP camera for instance, or other preferred web link.

Use Custom Settings: The modifications allowed are change of Background / Text Color, Background picture, Title, Description, Logo and etc.

Live View Layout Setting

☐ Use Default Look ☒ Use Custom Settings

User Defined Links

☐ Show Custom Link 1
Name: Custom Link 0 URL: http://

☐ Show Custom Link 2
Name: Custom Link 1 URL: http://

☐ Show Custom Link 3
Name: Custom Link 2 URL: http://

☐ Show Custom Link 4
Name: Custom Link 3 URL: http://

Custom Settings

Modify the Default Look:

Background Color: ☒ Default ☐ Own: White

Text Color: ☒ Default ☐ Own: Black

Background picture: ☒ None ☐ External: http://

Title: ☒ None ☐ Default ☐ Own: Title

Description: ☒ None ☐ Default ☐ Own: Description

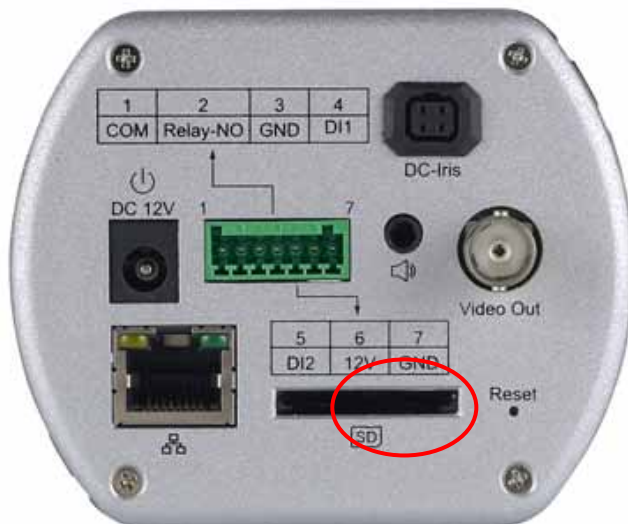
Logo Link: ☒ None ☐ Default ☐ Own: http://

Logo: ☐ None ☒ Default ☐ External: http:// ☐ Own

Select image file to upload:

FAQ

Restore Factory Default



To restore factory default, please follow the steps:

1. Unplug the power jack to turn off the camera
2. Insert a pin into the reset hole (circle in red) Sense a button and keep it pressed until instructed to release.
3. Plug in the power jack to turn on the camera. The power LED will start flashing in a short while.
4. Release the pin when the LED starts quick flashing. The device should be set back to factory default.

I/O Terminal Connector - Pin Assignment



Pin	Function	Description
1	COM	Digital output implementation; Pin2 to COM (Pin1) is a Photo-coupled relay on Normal Open status. External device can directly connect to the terminals. However the current that will go through the 2 nodes must not exceed 100mA. An external "Relay" can also be connected to the terminals as an implementation. In this case, current (or/and voltage) limitation is specified by the external Relay.
2	Relay-No	
3	GND	Two sets of Digital Input, DI1 and DI2; the internal device is also photo-coupled electrical relay. In practice, the external device can be simply an On/Off switch. Two sets of On/Off switch can be connected as different trigger source.
4	DI1	
5	DI2	
6	12V	An extra power entry for the camera device; or if power is supplied from the DC jack, Pin6 can provide 12V power output. This power can be supplied for the external "Relay" device.
7	GND	