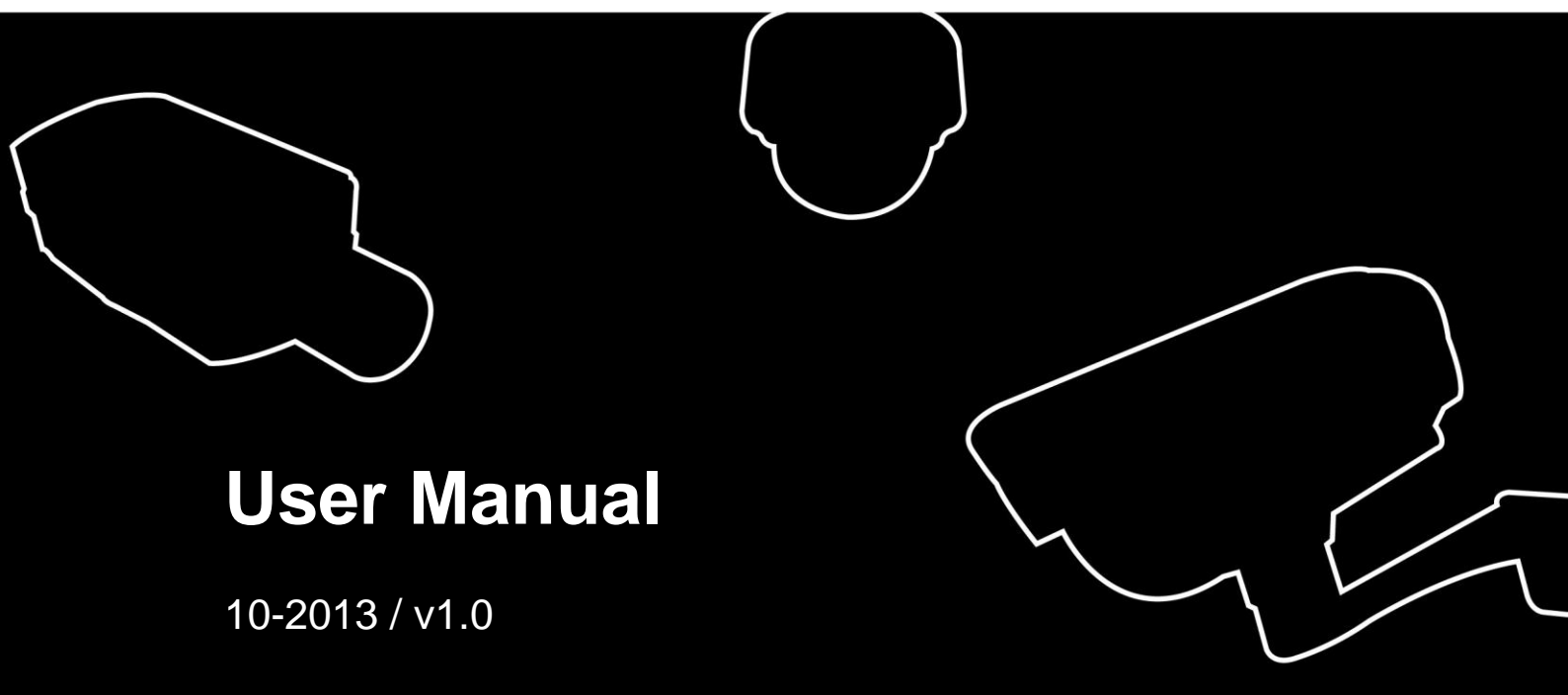


IR-112E



User Manual

10-2013 / v1.0

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Chapter I Introduction

1.1 Highlights of your new Network IP Camera

Congratulates on purchasing this high-resolution 3Mega pixels network IP Camera! This IP Camera provides 3Mega pixels high-resolution video quality, with the advanced megapixel lens, you can view images remotely in more detail than conventional close-circuit cameras.

Other highlights of this network IP Camera include:

- IR illumination distance over 15 meters.
- Mechanical IR-cut filter removable.
- Up to 1080P resolution at 10 FPS.
- H.264/MPEG4/MJPEG multiple streams output for live monitoring and high resolution recording.
- Event management by motion detection
- Built-in SD-card slot for local storage, which can act like a stand-alone DVR.
- Support mobile phone remote monitoring
- ONVIF compliant.
- Support IEEE802.3af Power over Ethernet (PoE) standard.

1.2 Safety Instructions

Please follow the safety instructions listed below when you're using this Network IP Camera, or you would harm this camera and/or yourself! Also, the warranty will become void if you disobey these safety instructions.

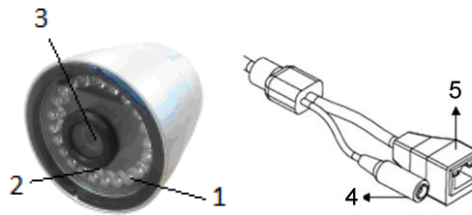
- This Network IP Camera is sophisticated electronic device; do not drop it from high places.
- This IP Camera is not a toy; keep it out from the reach of children.
- Do not insert any accessories of this IP Camera into your body.
- Make sure lens set is secured when you're using this IP Camera, lens set may fall down if it's not properly secured, and cause damage to human and itself.
- If you want to use this IP Camera at any place that may be spilled by water or dirt; a secure and water-proof camera housing is required.
- Do not pull any cord that is connected to this IP Camera by force.
- IP Camera will become hot after long time of use. Refrain from touch IP Camera with hand, or cover this IP camera with paper or cloth.
- If the IP Camera falls into water when powered, do not attempt to retrieve it back by yourself! Find a qualified electric technician for help.

1.3 Packaging Contents

Please check the contents of your new Network IP Camera when you unpack the package. If any item is missing, please contact your dealer of purchase for help.

Item No.	Description	Quantity
1	Network camera	1
2	Sun shield kit	1
3	Screw	1
4	CDROM	1
5	Quick installation guide	1

1.4 Familiar with your new Network IP Camera



No.	Description
1	IR-LED
2	Day/night sensor
3	Lens: Fixed focal length.
4	DC 5Volt/2A input
5	Network, RJ45 connector

[Cable ASSIGNMENT]



Item	Description
1	DC 5Volt/2A input
2	Network, RJ45 connector, two LED index, orange color is power index, green is network index

1.5 Installation of the Network IP Camera

Please follow the instructions below to setup your new IP camera.

1. Connect Ethernet cable to LAN port.

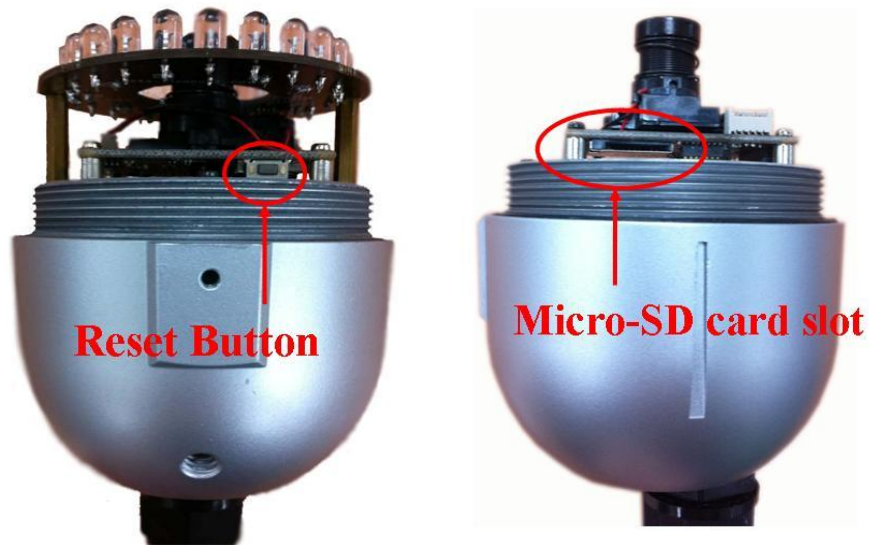


2. Plug DC power adapter to power outlet on the wall.
3. Connect DC power cable to IP Camera's DC power connector.



4. If everything's ok, you should see the left LED light on LAN port light up. If not, please recheck every step and try again, or ask your dealer of purchase for help.
5. Remove the front glass mask to fine tune lens focus. When lens focus fine tune ready, then screw the glass mask to the end position which can not do any more.

6. Remove the front cover to find the Micro-SD card slot.



7. Find the screws in the package, use screwdriver to fix the sun shield on the device's main body.



8. Secure the wall mounting metal bracket on the wall then secure the bullet camera on the bracket. There are two spots available.



Chapter II Using Network IP Camera by Web Interface

2.1 Locate the IP address of Network IP Camera

You can use your new Network IP Camera by its web user interface via web browser. Currently the viewing system requirement for Network IP camera is:

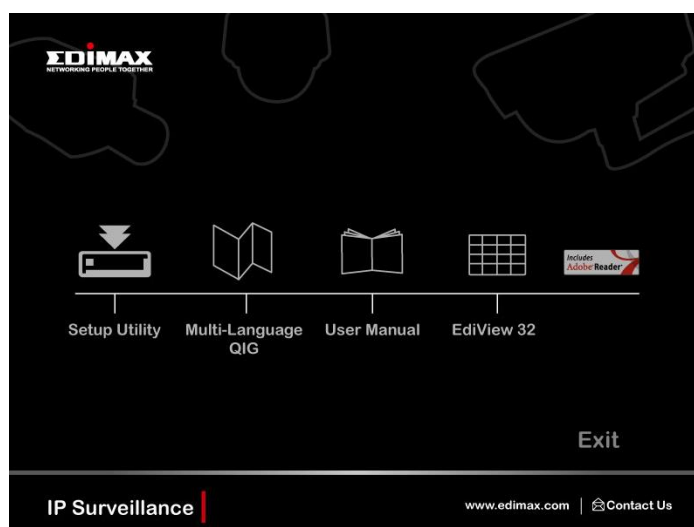
- OS: Microsoft Windows XP / Vista / Win7
- Browser: IE8 / IE9 (32bits)
- Cell phone: 3GPP player

Note: For best viewing experience we recommend that you use Microsoft Windows Internet Explorer 8 or 9.

By default, the network camera automatically obtains an IP address from the DHCP server on your local network. Check your DHCP server's IP address lease table to find the network camera's IP address, or use the EdiView Finder utility included in the CD.

Note: We recommend that you use Microsoft Windows to install your network camera - **Mac is not supported.**

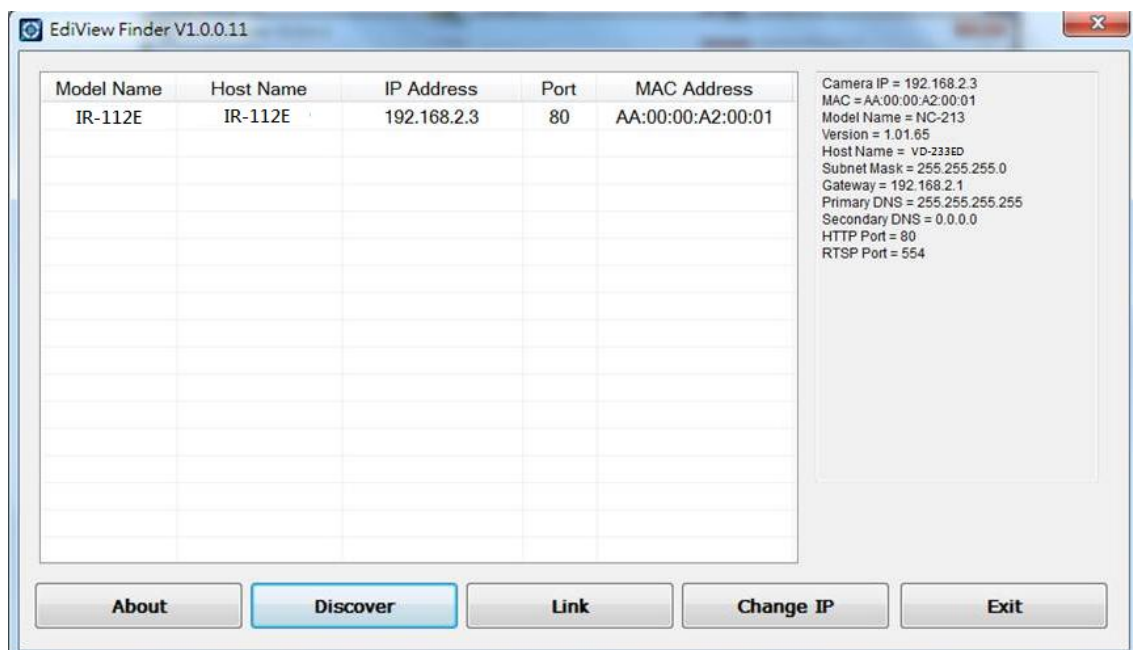
1. Insert the CD into your CD-ROM drive. When the wizard appears, click "Setup Utility" to install the "EdiView Finder" software.



Note: The contents of the CD-ROM can also be downloaded from the Edimax website:

<http://www.edimax.com/en/index.php>

2. After the installation is complete, double-click the “EdiView_Finder” icon to execute the application.
3. Press ‘Discover’ button to search for all IP Cameras on your local network (make sure all IP Cameras are powered on and connect to local network first). When you find any IP Camera, you can double click on it or click ‘Link’ button to connect to it by your web browser.



If you need to change a certain IP Camera’s IP address, you can also click on the IP Camera you wish to change IP address, then click ‘Change IP’ button to change select IP Camera’s IP address setting.

If you no longer need to use this utility, click ‘Exit’ button to close it.

Please note:

If you have several network connections, such as “Wireless Function”, please disable the “Wireless Functions” or / and other network connections that is not connected to IP camera,, or IP finder may fail to search IP camera!

2.2 Connect to IP Camera's Web User Interface and Install

ActiveX Plugin

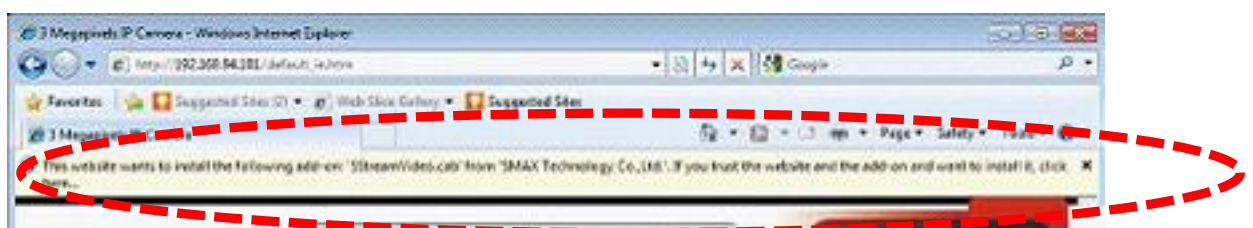
When you know the IP address of IP Camera, you can connect to it by Internet Explorer web browser by entering its IP address in address bar. The use login screen will appear when you get connected:



IP Camera's administrator username and password are 'admin' and '1234'(lower case) by default. Click 'OK' button or press 'ENTER' key on your keyboard when you finish entering username and password.

When you connect to IP Camera for the first time, you'll see the following message. This message prompts you that you need to install ActiveX plug-in before you can see the video from IP Camera.

For IE 8:



Right click the indication bar and click: "Install This Add-on for All Users on This Computer..." to install ActiveX plugin.

For IE 9:



Click 'Install' button located at the bottom of IE to install ActiveX plugin.

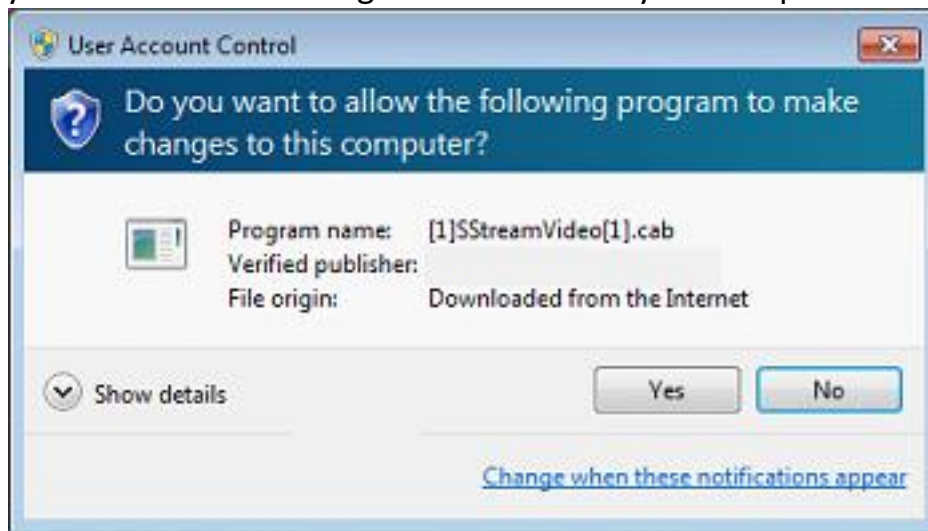
If you're prompted that:

'Windows Firewall has blocked some features of this program'



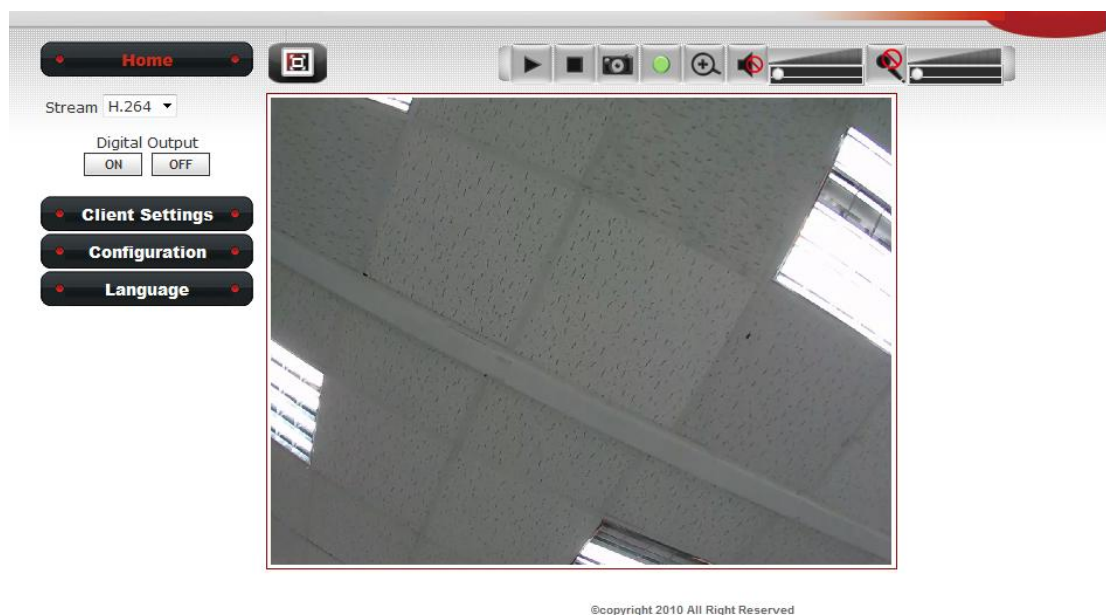
Click 'Allow access', or IP Camera will not be able to function properly.

When you're installing Internet Explorer plugin, you may also be prompted that if you want to allow changes to be made to your computer:



Click 'Yes' to allow changes.

After ActiveX plugin is installed, you should be able to see the video stream from camera.



NOTE:

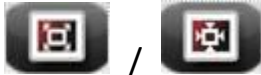
If this is the first time you use this IP Camera, you can refer to chapter 2.4 for instructions on Setup Wizard, which will guide you to complete the software setup of your new IP Camera.







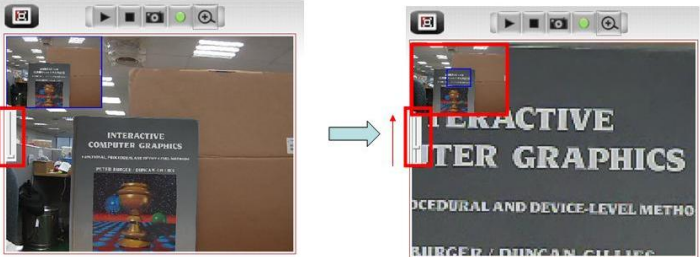
2.3 Viewing Live Video

After ActiveX control is installed, you can view IP camera's video by web browser. Just connect to IP camera by web browser and login, then you can see live video from IP camera:



There are various controls on web page, here are descriptions of every control item:

Item	Description
'Home' button	This button is visible in all setup pages of IP camera, and you can go back to live video view by clicking this button when you're in other page.
Stream	This camera supports H.264 only. H.264 required less network bandwidth and this will help when network connection is slow.
Client Settings	Open 'Client Setting' menu.
Configuration	Open 'Configuration' menu.
Language	Open language menu, you can switch web interface to other language. Available languages: English, Simplified Chinese, Traditional Chinese and Japanese
Original size / Fit screen 	Switches live image view between original size (full size: 2M pixels) and fit screen (smaller size). If you want to see video in detail, switch to original size. If your computer monitor's resolution is not enough and you want to see full image view, switch to fit screen and image size will adjust automatically.

<p>'Connect' button</p> 	<p>Start live video view.</p>
<p>'Disconnect' button</p> 	<p>Stop live video view.</p>
<p>'Snapshot' button</p> 	<p>Take a snapshot or camera video and save image file on your computer. When you click this button, a new window will appear: Click 'Save' button when you see the image you wish to save, and you'll be prompted to indicate the folder on your computer to save image file. If you changed your mind and don't want to save image file, click 'Cancel'.</p> 
<p>'Start Video Record' button</p> 	<p>Click this button to record video and save video file on your computer.</p>
<p>'Enable Digital Zoom' button</p> 	<p>This function will enlarge video view digitally from 1X to 10X. Move the bar up to see objects in screen in detail. The blue square in the small screen at the left top side high lights the zoom in range.</p>  <p><i>Please note: that digital zoom uses computer algorithm to enlarge the video and some details may lost. If you need to focus on detail of specific objects in video view, please use optical zoom ring on lens set of IP camera.</i></p>

2.4 Client Settings

In 'Client Settings' menu, you configure basic IP camera settings like data transfer protocol and data storage folder.

To access 'Client Settings' menu, click 'Client Settings' button on the left.



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The following screen will appear:

A screenshot of the 'Client Settings' configuration page. The page has a header with the 'Client Settings' title and a logo. Below the header, there are two main sections: 'Protocol Option' and 'Storage Option'. The 'Protocol Option' section contains three radio buttons: 'RTSP/RTP over TCP' (selected), 'RTSP/RTP over UDP', and 'HTTP'. The 'Storage Option' section contains a 'Folder' input field with 'C:\Recording', a 'Browse' button, a 'Prefix' input field with 'CLIP', and a checkbox labeled 'Add date and time suffix to file name'. At the bottom left, there is an 'Apply' button.

Here are the descriptions of every setup item:

Item	Description
RTSP/RTP over TCP	Select this option to use RTSP (Real-Time Streaming Protocol) to transfer video data over TCP. *Refer to the application note 'RTSP/RTP over TCP/UDP' for details.
RTSP/RTP over UDP	Select this option to use RTSP (Real-Time Streaming Protocol) to transfer video data over UDP. *Refer to the application note 'RTSP/RTP over TCP/UDP' for details.
HTTP	Select this option to use HTTP (Hyper-Text Transfer Protocol) to transfer video data. If you don't know which one you should use, select 'RTSP'.
Folder	Select a folder on your computer to save recorded video. Click 'Browse' button and you'll be prompted to select a folder.
Prefix	When saving video files, the characters you typed in 'Prefix' field will be used as leading characters of video file's name. For example, the default setting of 'Prefix' is 'CLIP', and video file's named will be 'CLIPxxxx', where xxxx is a 4-digit serial number.
Add date and time suffix to file name	Check this box to add data and time to the ending part of video file's filename, so you can see the date and time the video file is created directly from its filename.

When you finish with above settings, click 'Apply' button to save changes.

Chapter III Advanced Configuration

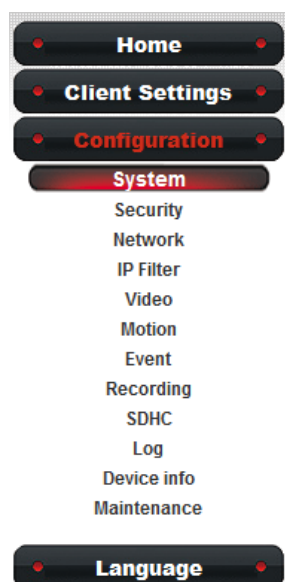
If you wish to configure IP camera's settings, you can access IP camera's 'Configuration' menu, which provides various kinds of system setting.

To access configuration menu, click 'Configuration' button on the left.



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The 'Configuration' submenu will appear, please pick a setup item you wish to configure.



3-1 System

In this menu, you can configure basic IP camera settings like hostname and time.

Here are the descriptions of every setup item:

Item	Description
Host Name	Input the IP camera's hostname here, it can be any meaningful words or characters that will help you to identify this IP camera. You can use IP camera's installation location as host name, and this will help you to identify IP camera when you have many IP cameras installed.
Indicator LED	The LED lights located at the back of IP camera is switched on by default. But, if you don't want other people to know the status of this IP camera (so they will know this IP camera is operating etc.), you can select 'Off' and LED lights will be switched off.
Camera Date and Time	Here shows the date and time.

Timezone	Select the time zone of residence from dropdown menu to keep correct date and time.
Daylight Saving	If the area you live uses daylight saving, check this box; otherwise do not check this box to keep time correct.
Keep the current date and time	Select this option and date / time setting will not be changed when you click 'Apply' in the page. You can check 'Camera Date and Time' item in this page to know IP camera's current date and time setting.
Synchronize with computer time	Select this item and IP camera will use your computer's time as its time.
Synchronize with NTP Server	Select this item and IP camera will keep its date and time setting synchronized with specified time server (NTP server). Please input NTP server's IP address or host name in 'NTP Server Address' field, and select time update interval from 'Update Interval' dropdown menu. <i>Please note that if this IP camera can't access Internet, you must have a time server on local area network, or set the time manually.</i>
Set Manually	Set IP camera's date and time manually. Please set current date and time by 'Date' and 'Time' dropdown menu.

When you finish with above settings, click 'Apply' button to save changes.

3-2 Security

In this menu, you can configure IP camera's login account.

There are three kinds of account:

- Administrator (Can view IP camera's video and make changes of camera setting)
- User (Can view IP camera's video and see LOG, and change Client Setting and language)
- Guest (Can view IP camera's video , and change language)

There can be multiple users, but only one administrator is allowed, and you can't change administrator's user name (it will always be 'administrator').

The screenshot displays the 'Security' configuration page. At the top left, there is a logo with a red triangle and the word 'Security'. The main content area is divided into two sections:

- Administrator:** This section contains two input fields for 'Password' and 'Retype Password', and a 'Modify' button. A yellow warning box below states: '* Administrator password length must be between 4 and 8 characters.'
- Account List:** This section features a 'New Account' button and a 'Remove' button. Below these is a dashed horizontal line, followed by input fields for 'User Name', 'Password', and 'Retype Password', and a dropdown menu for 'Authority' (currently set to 'User') and a 'New' button. A yellow warning box at the bottom of this section contains two lines: '* User name length must be between 1 and 32 characters.' and '* Password length must be between 4 and 8 characters.'

Here are the descriptions of every setup item:

Item	Description
Password / Retype Password (Administrator)	Here lists all users existed in IP camera. If you want to remove one user, click it in the list, and then click 'Remove' button. <i>If no user is existed, 'New Account' message will be shown here.</i>
Account List	Input new user's username here. User name must be greater than 1 character and less than 32 characters.
User Name	Input this user's password in both 'Password' and 'Retype Password' field.
Authority	To define this user's access privilege, select 'User' or 'Guest' in dropdown menu. When you finish inputting new user's information, click 'New' button to create a new user.

3-3 Network

In this menu, you can configure IP camera's network setting.

3-3-1 'General' setup page

Setup IP address for this IP camera. This IP camera supports both IPv4 and IPv6 IP address.

The screenshot shows the 'General' tab of the network configuration page. The 'Network type' section includes radio buttons for LAN, DHCP IPv4, DHCP IPv4/IPv6 (selected), Static IPv4/IPv6, and PPPoE. There are also checkboxes for 'Enable UPnP Discovery' (checked) and 'Enable UPnP Port Mapping' (unchecked). The 'Port' section has input fields for HTTP Port (80), RTSP Port (554), and RTP Data Port (5556). An 'Apply' button is located at the bottom left of the configuration area.

Here are the descriptions of every setup item:

Item	Description
LAN	Select this option to assign an IP address to LAN port (or obtain an address from DHCP server automatically). Available options are: DHCP IPv4: Obtain an IPv4 IP address from DHCP server on LAN automatically. DHCP IPv4 / IPv6: Obtain both IPv4 and IPv6 address from DHCP server on LAN automatically. Static IPv4 / IPv6: Assign an IPv4 / IPv6 address to IP camera

	<p>manually. If you don't have a DHCP server on your local area network, you must use this option to specify an IP address.</p> <div data-bbox="470 309 1436 750" style="border: 1px solid black; padding: 5px;"> <p><input checked="" type="radio"/> Static IPv4/IPv6</p> <p>IP Address(IPv4) <input type="text" value="192.168.102.174"/></p> <p>IP Address(IPv6) <input type="text"/></p> <p>Prefix Length <input type="text" value="64"/> * number must be between 0~128.</p> <p>Subnet Mask <input type="text" value="255.255.255.0"/></p> <p>Gateway <input type="text" value="192.168.102.253"/></p> <p>Primary DNS <input type="text" value="61.56.211.185"/></p> <p>Secondary DNS <input type="text" value="168.95.1.1"/></p> </div> <p>IP Address(IPv4): Input IPv4 IP address*</p> <p>IP Address(IPv6): Input IPv6 IP address*</p> <p>Prefix Length: Input IPv6 IP address' prefix length (0-128)</p> <p>Subnet Mask: Input subnet mask</p> <p>Gateway: Input gateway address</p> <p>Primary DNS: Input DNS server's IP address</p> <p>Secondary DNS: Input backup DNS server's IP address, you can leave this field blank.</p> <p>* You can leave this field blank, if you only wish to use IPv4 or IPv6 IP address.</p> <p>Enable UPnP Discovery: Check this box to enable other devices on network to discover the presence of this IP camera by UPnP. It's recommended to enable this function.</p> <p>Enable UPnP Port Mapping: When UPnP is enabled, check this box to enable UPnP's port mapping.</p>
<p>PPPoE</p>	<p>Select this option to use PPPoE to connect to network. You have to input PPPoE username and password assigned by network operator to get connected.</p>
<p>HTTP Port</p>	<p>Input IP camera's web connection port number here. When this port number is changed, you need to change web browser's port number you used to connect to IP camera.</p> <p>For example, IP camera's IP address is 192.168.2.3, and if you changed HTTP port number to 82, please input</p>

	'http://192.168.2.3:82' in web browser's address bar to access IP camera's web configuration interface.
RTSP Port	Input RTSP port number. When this port number changes, you must change corresponding settings in external network devices (NVR or CMS software) so they can receive this IP camera's video.
RTP Data Port	Input RTP data port number here.

When you finish with above settings, click 'Apply' button to save changes.

3-3-2 'Advanced' setup page

You can setup advanced network settings in this page. This page is intended for advanced settings only, and this IP camera will work fine even you don't make any changes to this page.

The screenshot shows the 'Advanced' configuration page for an IP camera. At the top, there are two tabs: 'General' and 'Advanced', with 'Advanced' being the active tab. Below the tabs, the settings are grouped into five sections, each with a title and a checkbox to enable the feature:

- Multicast:** Contains a checkbox labeled 'Enable Multicast' which is currently unchecked.
- Bonjour:** Contains a checkbox labeled 'Enable Discovery' which is checked.
- Qos:** Contains a checkbox labeled 'Enable Qos' which is unchecked.
- DDNS:** Contains a checkbox labeled 'Enable DDNS' which is unchecked.
- HTTPS:** Contains a checked checkbox labeled 'Enable HTTPS' and an input field for 'HTTPS Port' with the value '443'.

At the bottom left of the page, there is a button labeled 'Apply'.

Here are the descriptions of every setup item:

Item	Description
Multicast	<p>Enable video multicast:</p> <p>Multicast Group Address: Input multicast group address here, must be an address between 232.0.0.0 to 232.255.255.255.</p> <p>Multicast video port: Input port number for video multicast here.</p> <p>Multicast RCTP video port: Input port number for RCTP video here.</p> <p>Multicast audio port: Input port number for audio here.</p> <p>Multicast RCTP audio port: Input port number for RCTP audio here.</p> <p>Multicast TTL: Input TTL value for multicast here.</p> <hr/> <p>Multicast</p> <p><input checked="" type="checkbox"/> Enable Multicast</p> <p>Multicast Group Address <input type="text" value="232.128.1.99"/> * 232.0.0.0~232.255.255.255</p> <p>Multicast Video Port <input type="text" value="5560"/></p> <p>Multicast RTCP Video Port <input type="text" value="5561"/></p> <p>Multicast Audio Port <input type="text" value="5562"/></p> <p>Multicast RTCP Audio Port <input type="text" value="5563"/></p> <p>Multicast TTL <input type="text" value="15"/> * number must be between 1~255.</p>
Bonjour	<p>If you're using MacOS and you have Bonjour installed, you can use it to discover this IP camera.</p>
QoS	<p>Enable QoS to improve the data transfer priority of this IP camera (Your local area network must support QoS).</p> <p>You can select Video / Audio's QoS DSCP value (0 to 63), or both video and audio.</p> <hr/> <p>Qos</p> <p><input checked="" type="checkbox"/> Enable Qos</p> <p><input type="radio"/> Video</p> <p><input checked="" type="radio"/> Audio DSCP <input type="text" value="0"/> * number must be between (0~63).</p> <p><input type="radio"/> Both</p>
DDNS	<p>Enable DDNS support if your ISP assigns dynamic IP address to</p>

<div data-bbox="252 210 507 320"> <p>DynDNS.org DynDNS.org TZO.com No-ip</p> </div>	<p>you. You must register a dynamic IP service first. Currently this IP camera supports DynDNS, TZO and No-IP dynamic IP service.</p> <p>Provider: Select dynamic IP service provider. Host Name: Input the host name you obtained from dynamic IP service provider.</p> <p>User name: Input user name used to login dynamic IP service provider. Password: Input the password used to login dynamic IP service provider.</p> <hr/> <p>DDNS</p> <p><input checked="" type="checkbox"/> Enable DDNS</p> <p>Provider <input type="text" value="DynDNS.org"/></p> <p>Host Name <input type="text"/> 1~30 Characters</p> <p>User Name <input type="text"/></p> <p>Password <input type="text"/></p>
<p>HTTPS</p>	<p>Check 'Enable HTTPS' box to enable HTTPS channel to encrypt transferred data. You can also define HTTPS port number in 'HTTPS Port' field if you don't want to use default value '443'.</p> <hr/> <p>HTTPS</p> <p><input checked="" type="checkbox"/> Enable HTTPS</p> <p>HTTPS Port <input type="text" value="443"/></p>

When you finish, click 'Apply' to save changes.

3-4 IP Filter

When this IP camera is directly connected to Internet and not protected by firewall, this function acts like a mini built-in firewall to protect the safety of this IP camera and avoid attacks from hackers.

IP Filter

Enable Filter

Accepted IP list

IP Address ~

Deny IP list

IP Address ~

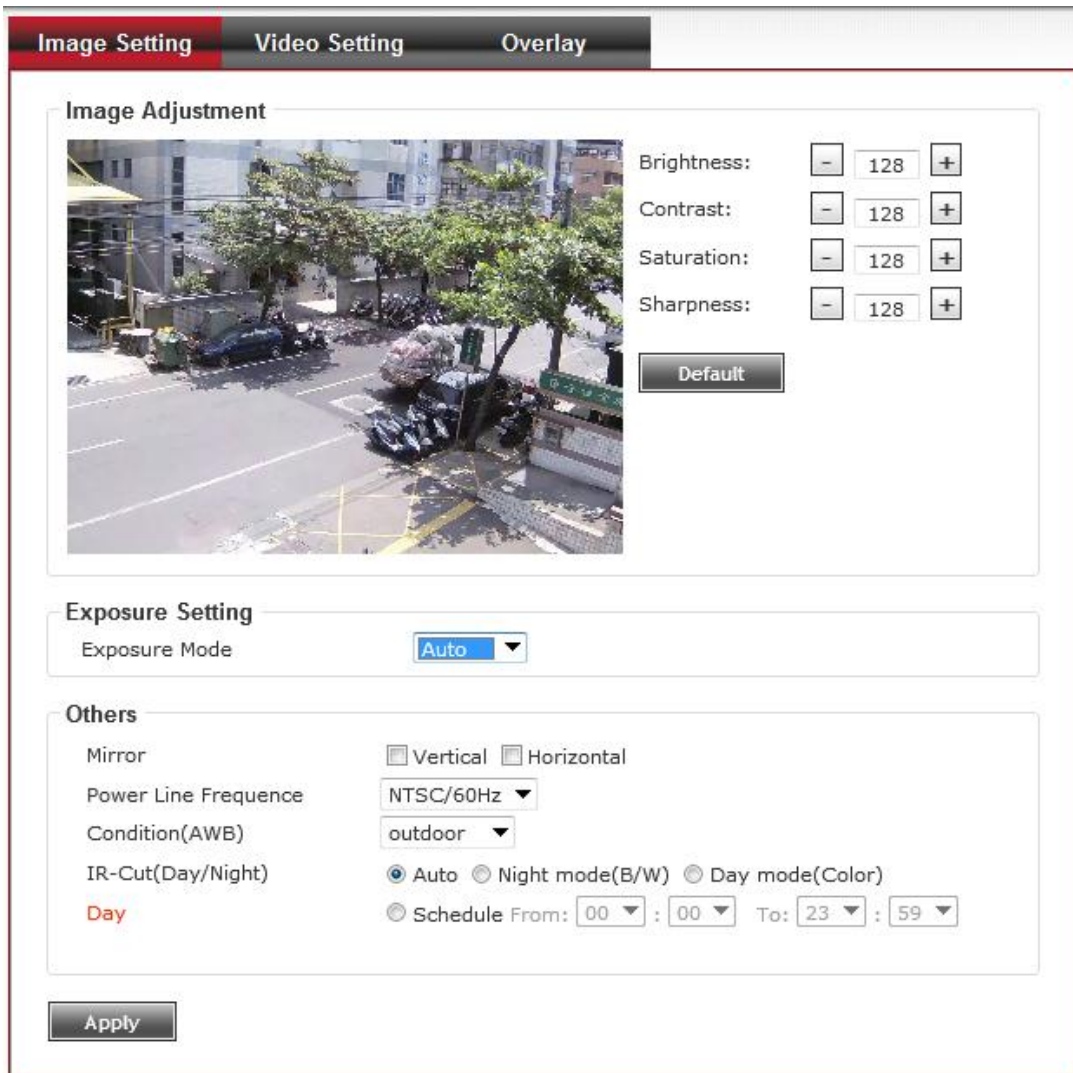
Here are the descriptions of every setup item:

Item	Description
Enable Filter	Check this box to enable IP address filter, uncheck this Box to disable this function.
Accepted IP list	Here lists all IP address that can build connections to this IP camera. If you want to remove a set of IP address from the list, click on the IP address and click 'Remove' button.
IP Address (Accepted IP list)	Input the starting and ending IP address of IP address you wish to accept connections here. IP camera will only accept connections established from these IP address. If you want to specify one IP address only, input the same IP address in both field. Click 'New' button to add IP address into accepted IP list.
Deny IP list	Here lists all IP address that cannot build connections to this IP camera. If you want to remove a set of IP address from the list, click on the IP address and click 'Remove' button.
IP Address (Accepted IP list)	Input the starting and ending IP address of IP address you wish to deny connections here. IP camera will deny connections established from these IP address. If you want to specify one IP address only, input the same IP address in both field. Click 'New' button to add IP address into deny IP list.

When you finish with above settings, click 'Apply' button to save changes.

3-5 Video

You can adjust the image of the IP camera in this menu.



There are 3 sub-menus in this menu: Image Setting, Video Setting, and Overlay, which can be accessed by tabs on the top:




3-5-1 Image Setting

You can adjust the image parameters in this page.

Image Setting
Video Setting
Overlay

Image Adjustment



Brightness:

Contrast:

Saturation:

Sharpness:

Exposure Setting

Exposure Mode:

Others

Mirror: Vertical Horizontal

Power Line Frequency:

Condition(AWB):

IR-Cut(Day/Night): Auto Night mode(B/W) Day mode(Color)

Day

Schedule From: : To: :

Here are the descriptions of every setup item:

Item	Description
Brightness / Contrast / Saturation / Sharpness	Control the image parameters. Click ' - ' to decrease value, or click ' + ' to increase value. You can also input the value in the field directly.
Default	Set all above values to default value '128'.

Mirror	Check 'Vertical' or 'Horizontal' box to flip the image vertically or
--------	--

	<p>horizontally, this will help to correct the orientation of image when IP camera is hanged bottom-up by camera holder.</p> <p><i>You can click both 'Vertical' and 'Horizontal' box at the same time.</i></p>
<p>Exposure Mode</p>	<p>The default setting is Auto. Camera is able to adjust Exposure related settings automatically.</p> <p>This camera is able to adjust the exposure setting automatically by default. In this page, it allows user to define the exposure setting manually.</p> <div data-bbox="488 607 1501 1167" style="border: 1px solid #ccc; padding: 10px;"> <p>Exposure Setting</p> <p>Exposure Mode Manual ▾</p> <p>Day Mode Setting</p> <p>Exposure Value 120</p> <p>Exposure Time 1/10000 ▾ Sec(s)(Min) ~ 1/60 ▾ Sec(s)(Max)</p> <p>Gain 00 ▾ x (Min) ~ 08 ▾ x (Max)</p> <p>Night Mode Setting</p> <p>Exposure Value 120</p> <p>Exposure Time 1/10000 ▾ Sec(s)(Min) ~ 1/60 ▾ Sec(s)(Max)</p> <p>Gain 00 ▾ x (Min) ~ 08 ▾ x (Max)</p> </div> <p>Set up the values of exposure value, exposure time and gain to create a profile and click "Apply" to enable it.</p>
<p>Power Line Frequency</p> <div data-bbox="248 1413 448 1514" style="border: 1px solid #ccc; padding: 2px;"> <p>NTSC/60Hz ▾</p> <p style="background-color: #007bff; color: white; padding: 2px;">NTSC/60Hz</p> <p>PAL/50Hz</p> </div>	<p>Select the frequency of power line of the place you're using this IP camera. This will help to reduce the flicker of certain lights in the image.</p>
<p>Condition (AWB)</p> <div data-bbox="256 1637 408 1794" style="border: 1px solid #ccc; padding: 2px;"> <p>outdoor ▾</p> <p style="background-color: #007bff; color: white; padding: 2px;">outdoor</p> <p>indoor</p> <p>B/W</p> <p>Tungsten</p> </div>	<p>Select the condition that you'll be using this IP camera from dropdown menu.</p> <ul style="list-style-type: none"> - outdoor: Outdoor environment using. - indoor: Indoor environment using. - B/W: You'll be using this IP camera in dark places where lights are insufficient. - Tungsten: Low color temperature environment using.
<p>IR-cut (Day/Night)</p>	<p>An IR-cut filter is built in this IP camera to reduce the effect of IR lights (which will change the color of image and makes it looks</p>

	<p>different than what you see through your eye), and most of IR lights are coming from sunlight.</p> <p>You can select the behavior of IR-cut filter:</p> <ul style="list-style-type: none"> - Auto: IR filter will act automatically. If you don't know if you should use IR filter, select this option. - Always ON(B/W): IR filter is always on. - Always OFF(Color): IR filter is always off.
Day	<p>IR-cut filter will only be switched on when there's sunlight. You can define the starting and ending time when IR-cut filter should be switched on by select 'Schedule' and define starting and ending time by dropdown menu.</p>

When you finish with above settings, click 'Apply' button to save changes.

3-5-2 Video Setting

You can adjust the video transfer parameters in this page.

Image Setting
Video Setting
Overlay

Main Stream

H.264

Video Resolution

Frame Rate

Rate Control Video quality

Bitrate kbps 512~4000

MPEG4

MJPEG

Video Resolution

Frame Rate

Video quality

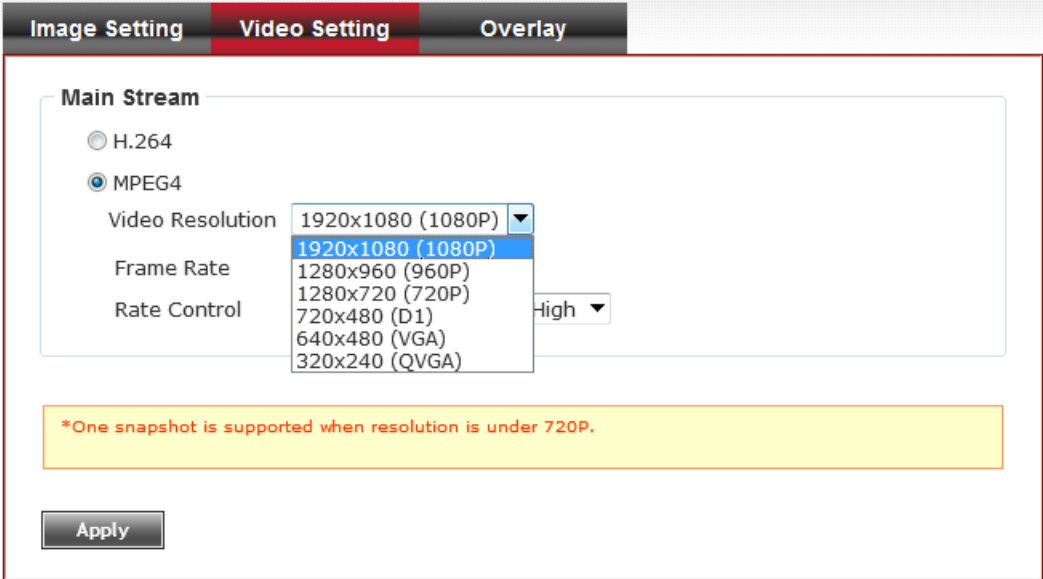
Mobile View

Disable

3GPP without Audio

*One snapshot is supported when resolution is under 720P.

Here are the descriptions of every setup item:

Item	Description
H.264	Select the compression of main stream: H.264.
Video Resolution	<p>Select video resolution.</p> <ul style="list-style-type: none"> - H.264: 1920x1080 (1080p) / 1280x960 (960p) / 1280x720 (720p) 720x480 (D1) / 640x480 (VGA) / 320x240 (QVGA) - MPEG4: 1920x1080 (1080p) / 1280x960 (960p) / 1280x720 (720p) 720x480 (D1) / 640x480 (VGA) / 320x240 (QVGA) <p>Please note that some video resolution is not available when video encoder is 'MPEG4'.</p>  <p>When network speed is insufficient, select a lower video resolution will help.</p>
Frame Rate	<p>Select video frame rate. Please note that some frame rate is not available when video encoder is 'H.264'.</p> <p>When network speed is insufficient, select a lower frame rate will help.</p>
Rate Control	<p>Select video bit rate. You can control bit rate by both 'Video quality' and 'Bitrate':</p> <ul style="list-style-type: none"> - Video quality: There are 5 levels of video quality, select 'very high' to improve video quality but consumes more network bandwidth, and select 'very low' will decrease video quality and consumes less network bandwidth. - Bitrate: Input video's bit rate directly. It must an integer between 512 and 4000. Higher bit rate provides better video quality, but

consumes more network bandwidth.

When you finish with above settings, click 'Apply' button to save changes.

MJPEG

Video Resolution

Frame Rate

Video quality

Note:
MJPEG options are only available for portable devices like cell phone.

Mobile View

Disable

3GPP without Audio

The 'Mobile View' is used to enable cell phone monitoring function.
Please download APP from iPhone and Android APP store.

3-5-3 Overlay Setting

You can adjust the video overlay parameters in this page.

Here are the descriptions of every setup item:

Item	Description
Enable Time Stamp	Check this box to enable overlaying time stamp on video.
Remove the background color of the text (for Time Stamp)	Check this box to remove time stamp's background color. You may find this will help the readability of time stamp text in some cases.
Enable Text Display	Check this box to display certain text on video, this will help when you need to identify certain IP camera when you have a lot of IP cameras. Please input the text in 'Text' field. You can input up to 15 characters.
Remove the	Check this box to remove custom text's background color. You

background color of the text (Text)	may find this will help the readability of text in some cases.
Enable Image Overlay	<p>Check this box to overlay a specific image on video, so you can show certain text / picture on the video and help people to identify this IP camera.</p> <p>Click 'Browse' button to pick a picture on your computer, then click 'Update' button to use the picture. Please note that there are certain restrictions:</p> <ul style="list-style-type: none"> - Select .bmp / .jpg / .jpeg image files only. - Image's resolution should be less than 160 x 128, and can be divided by 4. - Do not upload image files that size is greater than 64KB.

When you finish with above settings, click 'Apply' button to save changes.

3-6 Motion

This IP camera is capable to detect object's motion, so IP camera will only record when there's motion and save disk storage space.

Motion detection is performed by examine the movement of objects in rectangular motion detection area. You can define up to 3 motion detection areas.



Here are the descriptions of every setup item:

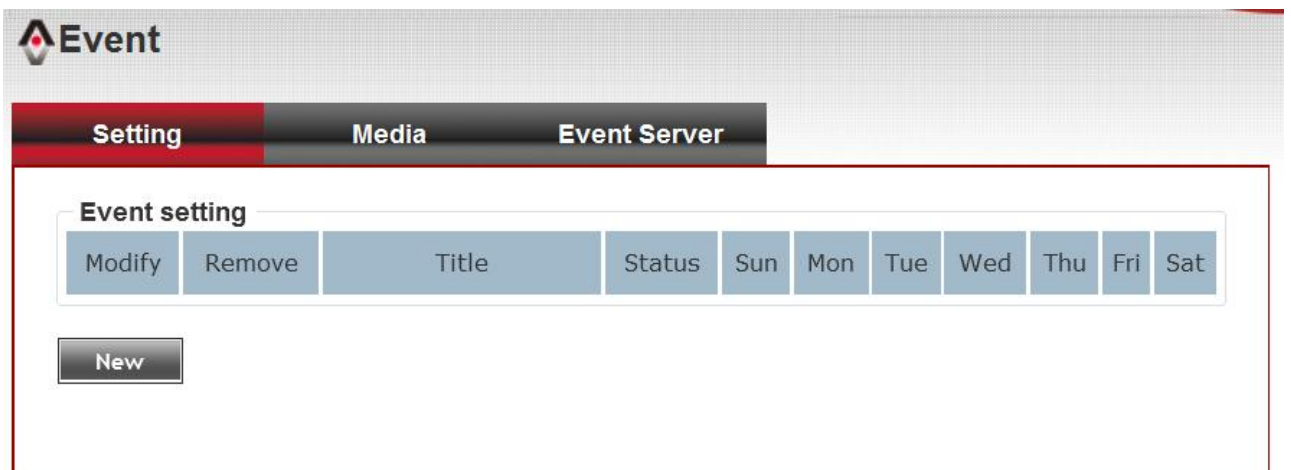
Item	Description
Enable Motion Detection	Check this box to enable motion detection.
Enable (Window 1 to Window 3)	<p>Check this box to enable this motion detection window. You can select window 1 to 3 to enable up to 3 motion detection windows. When a motion detection window is enabled, a rectangular will appear on camera's view, with its title on the top.</p> <ul style="list-style-type: none"> - To move / resize a motion detection window: - Move: Use the mouse to drag the title text. - Resize: Use the mouse the drag the four corners (upper-left/right, lower-left/right) to resize it. If you only want to adjust width or height, drag the four sidebars (top, bottom, left, and right).
Title (Window 1 to Window 3)	<p>Input characters in title field to change motion detection area's title text so you can identify it.</p> <p>Please note that you have to click 'Apply' button and the text will</p>

	change.
Percentage	Select the percentage of pixel change that will trigger motion detection alert. Select a lower percentage so you can detect tiny changes in motion detection area.
Sensitivity	Select the sensitivity level that will trigger motion detection alert. Select a higher sensitivity so you can detect tiny changes in motion detection area. It will show blue bar when window are detecting moving object through the window range.

When you finish with above settings, click 'Apply' button to save changes. Once the window detects motion, one blue flexible bar will appear at the bottom edge. One video file will be saving at this moment if the ftp server was enabled.

3-7 Event

When there's an event, you can use this setup page to define what IP camera should do, like send an Email or trigger digital output to activate external alarm.



There are three setup pages:



1. Setting: Define a new event and manage events.
2. Media: Define what kind of media file should be saved on designate media.

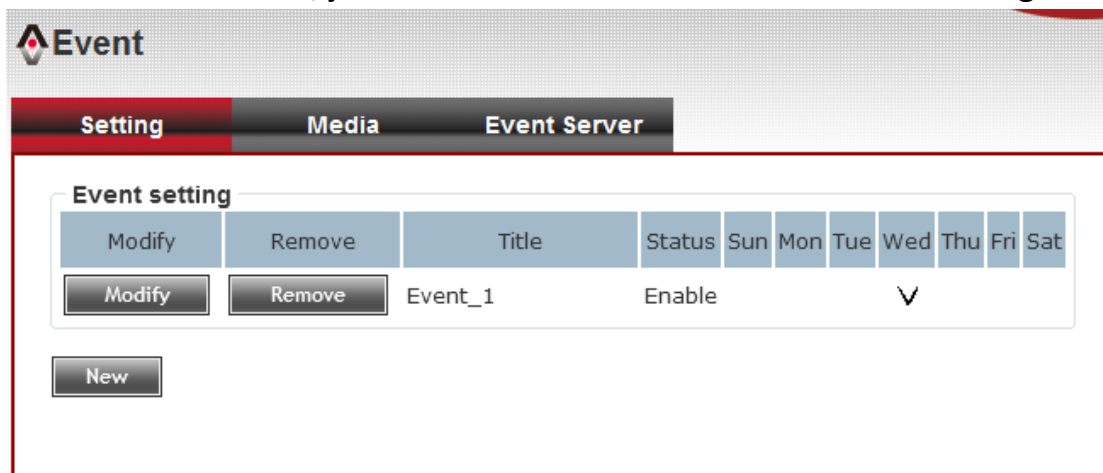
3. Event Server: Define the details of remote server.

Please refer to following sections for detailed instructions.

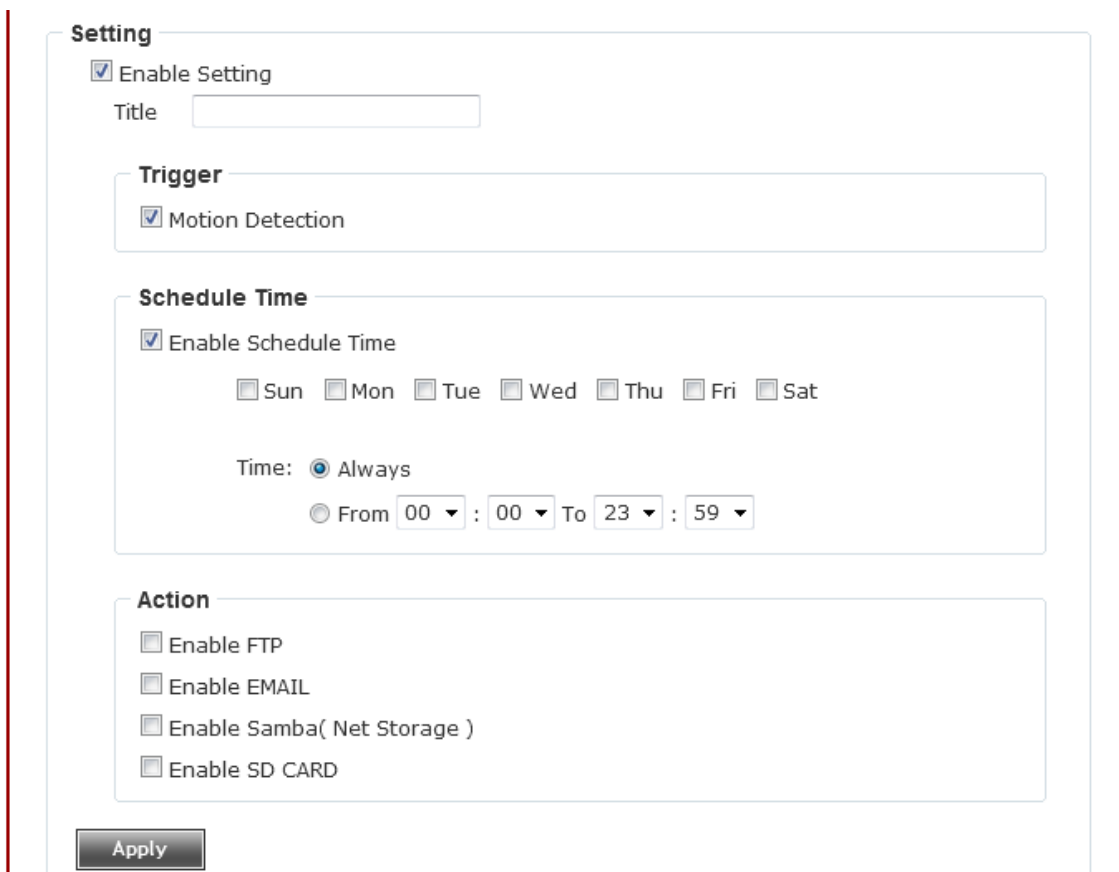
3-7-1 Settings

This page lists all existing events. You can click 'Modify' button to edit an existing event, or 'Remove' to delete an existing event.

To create a new even, just click "New" button to add an Event setting.



The screenshot shows the 'Event Server' tab in a web interface. At the top, there are three tabs: 'Setting', 'Media', and 'Event Server'. Below the tabs is a table titled 'Event setting'. The table has columns for 'Modify', 'Remove', 'Title', 'Status', and days of the week (Sun, Mon, Tue, Wed, Thu, Fri, Sat). One event is listed with the title 'Event_1', status 'Enable', and a dropdown arrow under the 'Wed' column. Below the table is a 'New' button.



The screenshot shows the 'Setting' configuration page for an event. It includes several sections:

- Setting:** A checkbox for 'Enable Setting' is checked. Below it is a text input field for 'Title'.
- Trigger:** A checkbox for 'Motion Detection' is checked.
- Schedule Time:** A checkbox for 'Enable Schedule Time' is checked. Below it are checkboxes for days of the week: Sun, Mon, Tue, Wed, Thu, Fri, Sat. The 'Time' section has a radio button for 'Always' selected, and another radio button for 'From' followed by time selection dropdowns: 'From 00 : 00 To 23 : 59'.
- Action:** Four checkboxes are listed: 'Enable FTP', 'Enable EMAIL', 'Enable Samba(Net Storage)', and 'Enable SD CARD', all of which are currently unchecked.

An 'Apply' button is located at the bottom of the page.

To add a new event, click 'New' button and the descriptions of every setup item is listed below:

Item	Description
Enable Setting	Check this box to enable this event. If you just want to disable this event temporarily, you can uncheck this box to keep this event and disabling while not deleting it.
Title	Input any description text for this event so you can identify it quickly. You can use alphabets, numbers, and symbols include: !\$.@^_~ (no spaces allowed).
Motion Detection	Check this box and this event will be activated when one of motion detection window detects motion.
Enable Schedule Time	Check this box and this event will be activated when designated weekday and time is reached. You also have to check weekday box, and select time from dropdown list. If you select 'Always' as time, this event will be activated during all the day.
Enable FTP	Check this box and IP camera will save file on FTP server (refer to 'FTP Server' setting in 'Event Server' tab) when this event is activated.
Enable EMAIL	Check this box and IP camera will send an Email to designated recipient address (refer to 'SMTP Server' setting in 'Event Server' tab) when this event is activated.
Enable Samba (Net Storage)	Check this box and IP camera will save file on samba server (refer to 'Samba Server' setting in 'Event Server' tab) when this event is activated.
Enable SD CARD	Check this box and IP camera will save file on Micro-SD card when this event is activated. A working Micro-SD card must be inserted into IP camera in advance.

3-7-2 Media

You can define what kind of media file should be saved on designated media.



Here are the descriptions of every setup item:

Item	Description
One Snapshot	Save a picture file when event is triggered.
Maximum Video File Size	<p>Save a H.264 video clip. You can also select the recording length before and / or after the time when event is triggered in 'Pre Event' and 'Post' Event'.</p> <p>For example, if you set 'Pre Event' to '5' and 'Post Event' to 5', and an event is triggered at 14:10:30, then the video file will be 10 seconds long, starting from 14:10:20 to 14:10:30.</p> <p>Tips: You may want to know what happened before event is triggered in many cases, especially when object is outside of motion detection window.</p> <p>Note: If the "Pre Event" set to "0" second, the "Post Event" cannot set to "0" second.</p>

When you finish with above settings, click 'Apply' button to save changes.

3-7-3 Event Server

You can define the details of remote media server: FTP (File), SMTP (Email), and Samba (File).

A Samba server can be any computer running windows operating system with network neighbor function enabled. Many stand-alone network file server also support samba server function.

The screenshot shows the 'Event Server' configuration interface. At the top, there is a header with the 'Event' logo. Below the header are three tabs: 'Setting', 'Media', and 'Event Server'. The 'Event Server' tab is selected and highlighted in red. The main content area is divided into three sections, each with a title and a checkbox:

- FTP Server**: Enable FTP Server
- SMTP Server**: Enable SMTP Server
- Samba Server**: Enable Samba Server

At the bottom of the configuration area, there is a button labeled 'Apply'.


Enable FTP server then it will show the related items of FTP server setting.

The screenshot shows the expanded 'FTP Server' configuration section. The 'Enable FTP Server' checkbox is checked. Below it are several input fields:

- FTP Server**: [Empty text box]
- Port**: [21]
- User Name**: [Empty text box]
- Password**: [Empty text box]
- File Path Name**: [Empty text box]

Below the input fields, there is an unchecked checkbox for 'Enable Passive Mode' and a button labeled 'Test FTP'.

Here are the descriptions of every setup item:

Item	Description
Enable FTP Server	<p>Check this box to enable FTP server upload.</p> <ul style="list-style-type: none"> - FTP Server: Input FTP server's IP address or hostname. - Port: Input FTP server's port number. In most cases it should be default value '21'. - User Name: Input FTP server's username. - Password: Input FTP server's password. - File Path Name: Input the path where you want to save file on FTP server, like 'upload/record'. If you want to save file on this FTP user's home directory, you can leave this field blank. - Enable Passive Mode: Check this box to force IP camera to communicate with FTP server in passive mode (Some FTP Server may only work when you check this box, while others don't). - Test FTP: Click this button to test FTP server settings above immediately. <div data-bbox="837 1025 1189 1272" style="text-align: center;">  </div>

Enable SMTP Server then UI shows the items as below.

SMTP Server

Enable SMTP Server

SMTP Server

Port

Sender Email Address

Receiver #1 Email Address

Receiver #2 Email Address

Subject

Authentication

User Name

Password

Requires SSL Encryption

STARTTLS

Test SMTP

Item	Description
SMTP Server	<p>Check this box to enable Email send.</p> <ul style="list-style-type: none"> - SMTP Server: Input SMTP server's IP address or hostname. - Port: Input SMTP server's port number. In most cases it should be default value '25'. - Sender Email Address: Input the sender's email address that will appear in the Email send by IP camera. This will help you to identify the Email sent by this IP camera, and may help when you have anti-spam software installed (you can set this Email address to 'White List' in your anti-spam software) - Receiver #1 Email Address: Input primary recipient's Email address. This field is required. - Receiver #2 Email Address: Input backup recipient's Email address. This field is optional. - Subject: Input Email titles that will appear in the Email send by IP camera. This will help you to identify the Email sent by this IP camera. - Authentication: Check this box when authentication is required by the Email server you're using. You also need to input Email server's username and password in corresponding field. - Requires SSL Encryption: If your Email server required SSL encryption, check this box. Please note that some Email server uses different port number than standard port 25 when SSL encryption is used. - STARTTLS: If your Email server required STARTTLS encryption, check this box. Please note that some Email server uses different port number than standard port 25 when STARTTLS encryption is used. - Test SMTP: Click this button to test SMTP server settings above immediately.

Enable SMTP Server then UI shows the items as below.

Samba Server

Enable Samba Server

Samba Server Address

Path

User Name

Password

Item	Description
Samba Server	<p>Check this box to enable Samba server file upload.</p> <ul style="list-style-type: none">- Samba Server Address: Input Samba server's IP address or hostname.- Path: Input the path where you want to save file on Samba server, like 'upload/record'. If you want to save file on this user's home directory, you can leave this field blank.- User Name: Input Samba server's username.- Password: Input Samba server's password. <p>* Username and password can NOT leave blank.*</p> <ul style="list-style-type: none">- Test SMB: Click this button to test Samba server settings above immediately. <p><i>Tips: Some samba server does not have username and password check, you can just input samba server address and path to access the file storage space.</i></p>

When you finish with above settings, click 'Apply' button to save changes.

3-8 Recording to Micro SD Card

When a Micro SD card is inserted into IP camera, you can save video files on it.

Note:

- 1. Be sure that the Micro SD Card format should be FAT32. The NTFS format cannot be supported by this camera.**
- 2. Unlink motion detection; this function will record video at specified time period on selected weekday(s).**

General

Enable External storage Recording

Maximum Size of Each File MB

Enable adding timestamp to files

Recording Schedule

Sun Mon Tue Wed Thu Fri Sat

Time: Always

From : To :

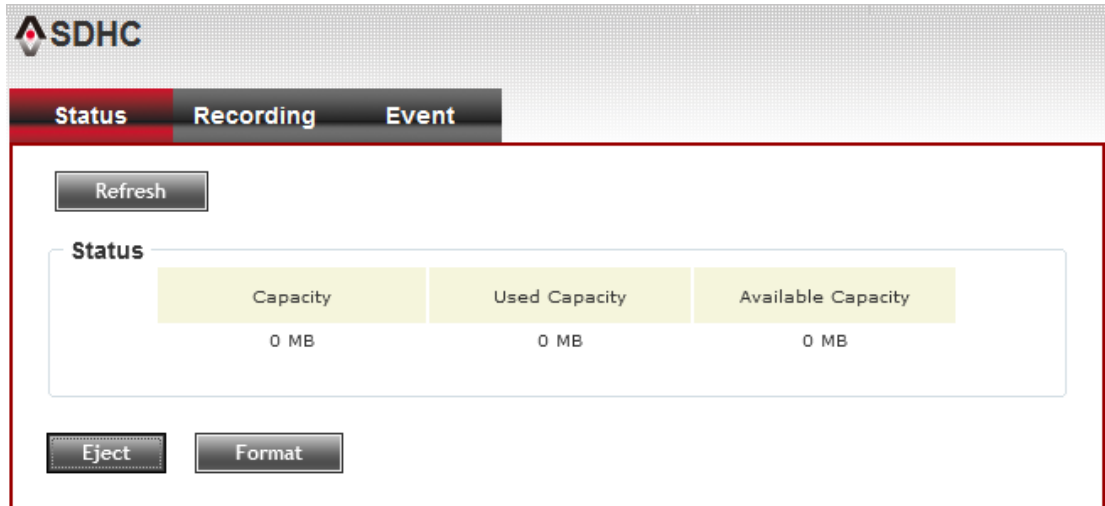
Here are the descriptions of every setup item:

Item	Description
Enable External storage Recording	Check this box to record video on Micro-SD card.
Maximum Size of Each File	Input the maximum size of every video file from 1MB to 50MB. IP camera will start a new video file when a recording video file reaches the size limit stated here.
Recording Schedule	Define the recording schedule. You can check Sun to Sat boxes to represent a weekday, and specify time period in 'From' and 'To' field. Select 'Always' to record 24 hours in selected weekday(s).

When you finish with above settings, click 'Apply' button to save changes.

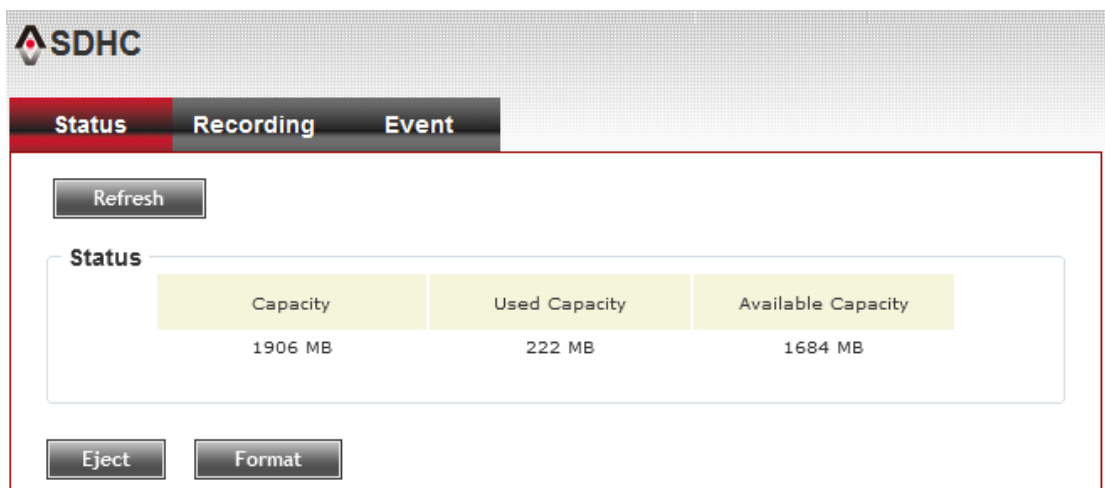
3-9 SDHC

The IP camera module has an optional Micro-SD card slot PCBA board. The standard module does not include this board. The UI shows the capacity is 0 MB when the module without Micro-SD card slot and memory card.



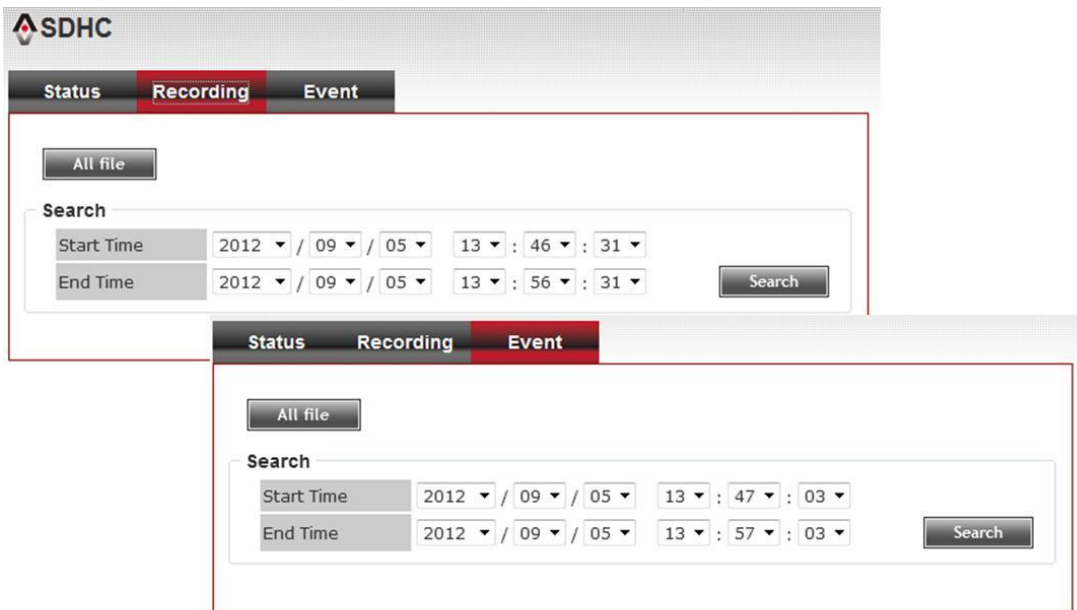
If you need the function please check the option when you place the order of the IP camera module.

Once the module equipped Micro-SD card slot and Micro-SD card is inserted, the UI will show the capacity of the Micro-SD card like the image hereunder.

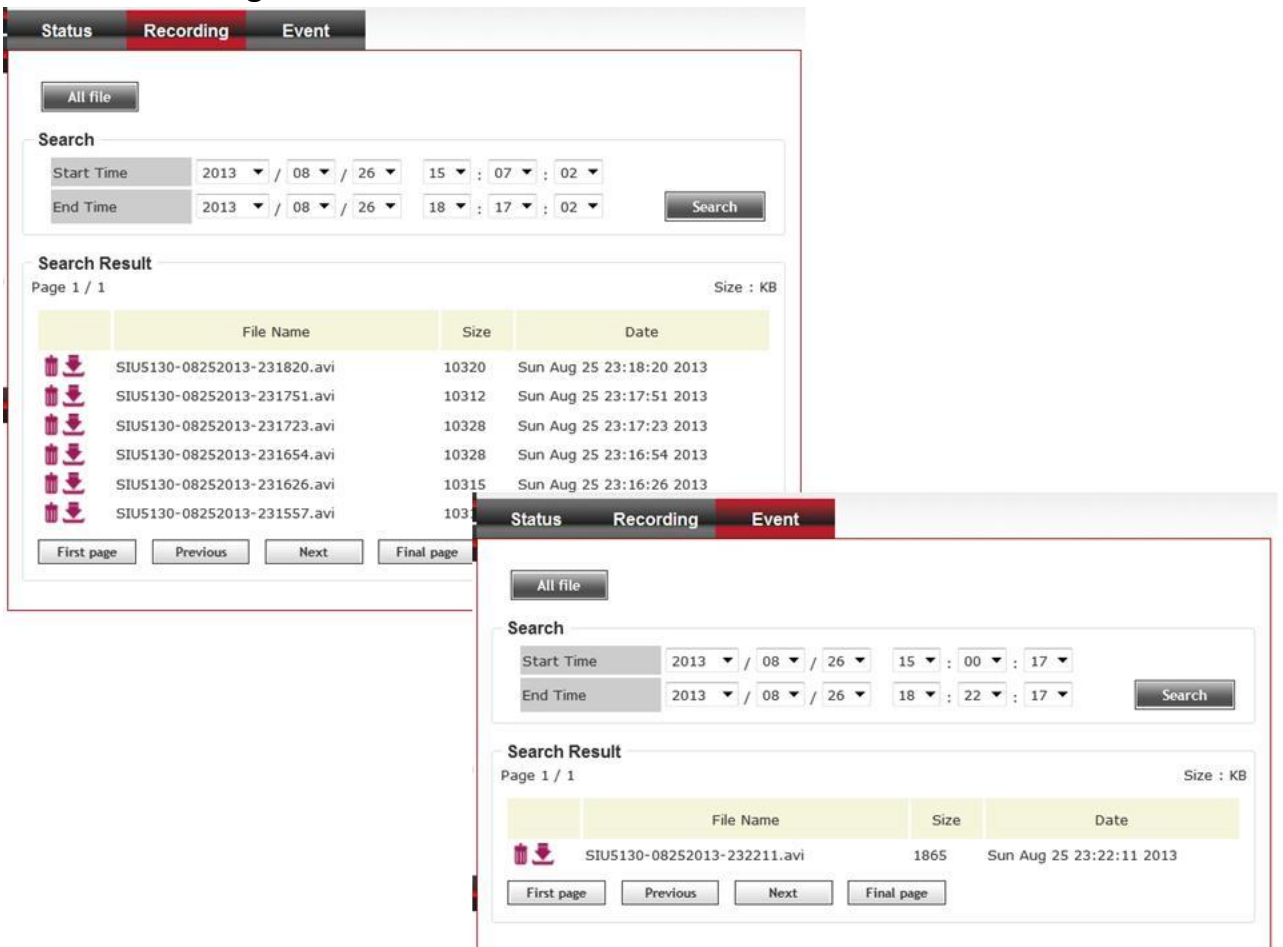


There are two UI pages to show the record on the Micro-SD card. They are mapping to the setting of "Recording to SD card" and "Event" accordingly. Click "All file" to list all files. You also can define the range and click "Search" to sort the files needed. It shows likes the images in the next

page.

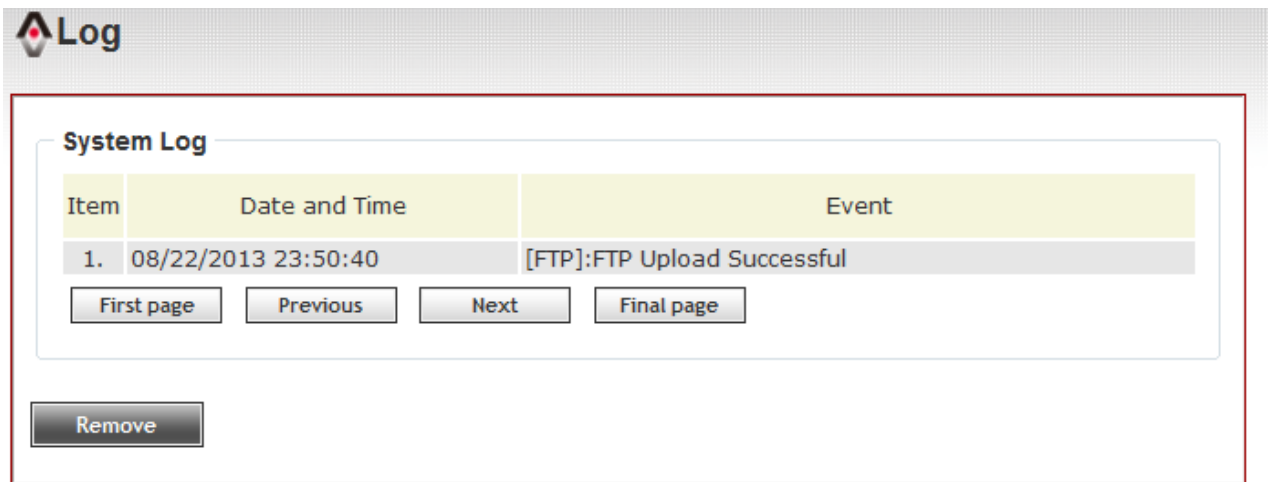


Set the time range then click “Search” then shows the records like below.



3-10 Log

You can check the usage log of IP camera here.



The screenshot shows a web interface titled "Log" with a "System Log" section. It contains a table with the following data:

Item	Date and Time	Event
1.	08/22/2013 23:50:40	[FTP]:FTP Upload Successful

Below the table are four navigation buttons: "First page", "Previous", "Next", and "Final page". A "Remove" button is located below the navigation buttons.

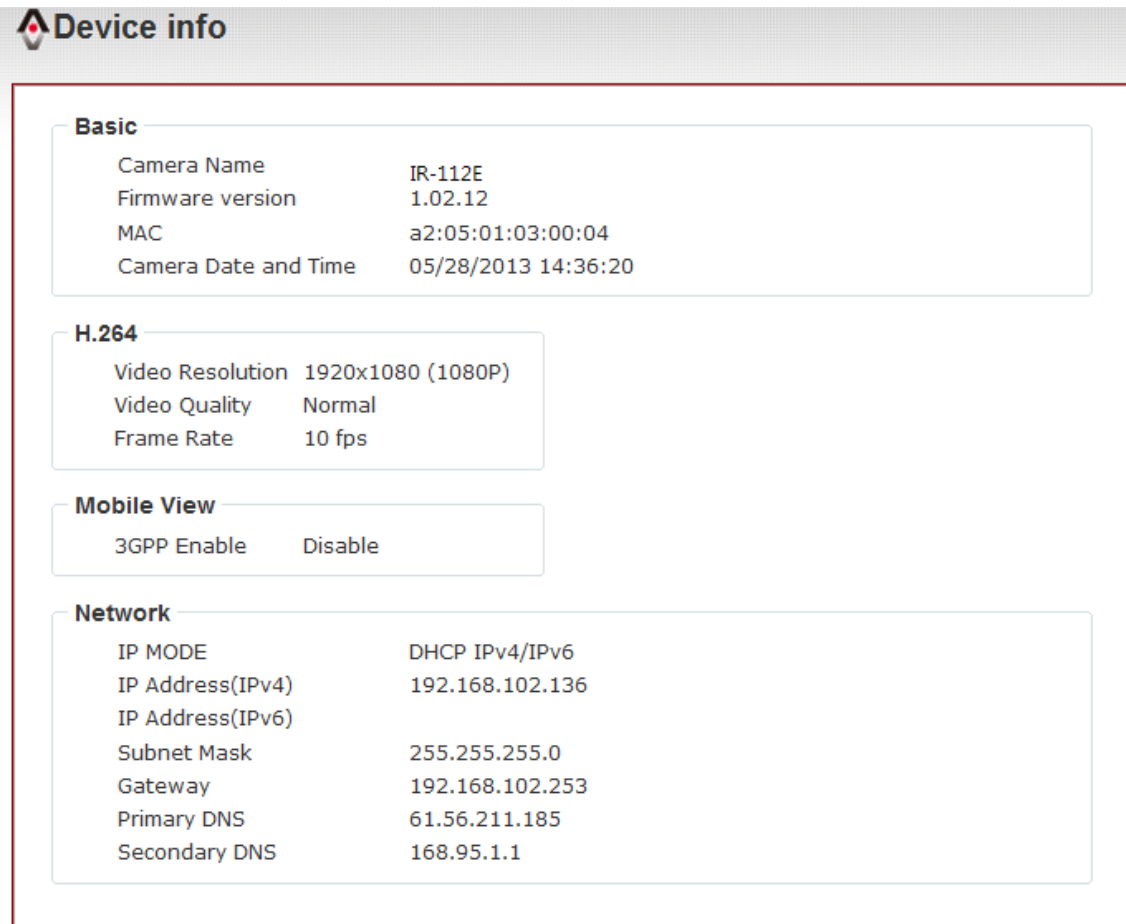
In this page, you can click:

1. First page / Final page: Jump to first / final page of log.
2. Previous / Next: Jump to previous or next page of log.
3. Remove: Clear log. You'll be prompted for confirmation.

3-11 Device Info

You can check the information and network settings of this IP camera. The information are very useful when you need to repair or fix the problem of this IP camera.

An example of device info page looks like this:



Device info

Basic

Camera Name	IR-112E
Firmware version	1.02.12
MAC	a2:05:01:03:00:04
Camera Date and Time	05/28/2013 14:36:20

H.264

Video Resolution	1920x1080 (1080P)
Video Quality	Normal
Frame Rate	10 fps

Mobile View

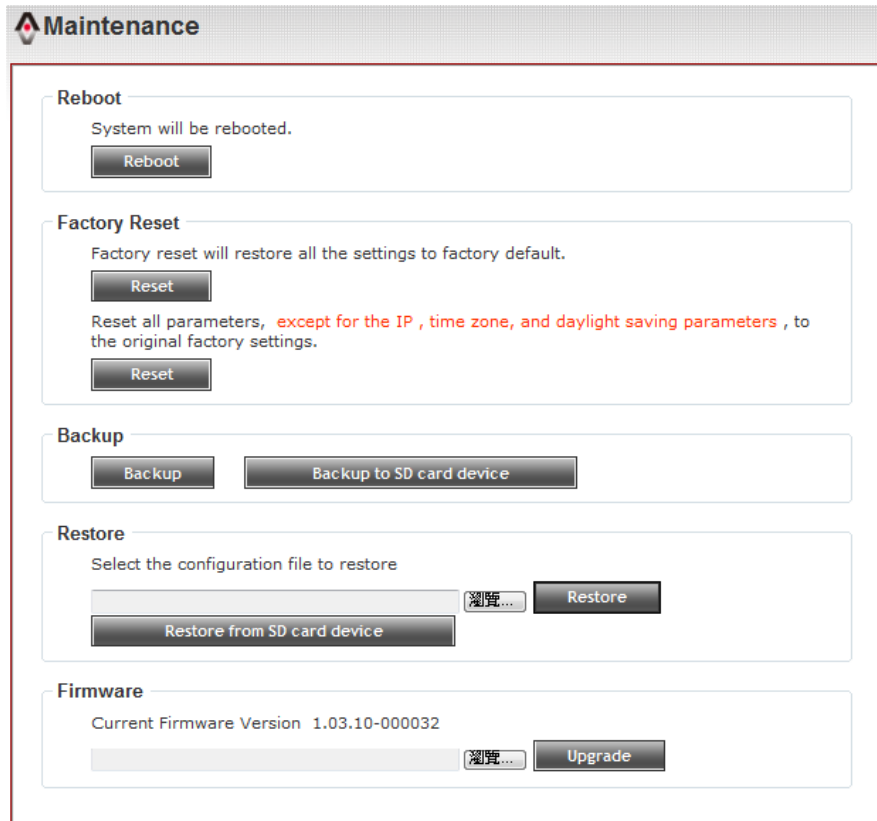
3GPP Enable	Disable
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Network

IP MODE	DHCP IPv4/IPv6
IP Address(IPv4)	192.168.102.136
IP Address(IPv6)	
Subnet Mask	255.255.255.0
Gateway	192.168.102.253
Primary DNS	61.56.211.185
Secondary DNS	168.95.1.1

3-12 Maintenance

You can do some maintenance job about this IP camera here.



Here are the descriptions of every setup item:

Item	Description
Reboot	Click this button to reboot the IP camera. This function is useful when you find IP camera is not working properly.
Reset	Clear all settings of IP camera and reset to factory default setting.
Backup	Backup IP camera's setting and save it on your computer.
Backup to Micro SD card device	Backup IP camera's setting and save it on Micro SD card. A Micro SD card must be inserted into Micro SD card slot when you click this button, or you'll receive an error message.
Restore	Restore a previously-saved configuration file saved on your computer. Click 'Browse' button to select a file on your computer first, then click 'Restore' button.
Restore from SD card device	Restore IP camera's configuration which is previously-saved on Micro-SD card.
Upgrade	Upgrade IP camera's firmware. Click 'Browse' button to select a firmware image file on your computer first, then click 'Upgrade' button.

3-13 Language

You can change the display language of web interface.

Click 'Language' button and select one language. More languages may available in latest firmware file.



Chapter V Troubleshooting

Please don't panic when you found this IP Camera is not working properly. Before you send this IP Camera back to us, you can do some simple checks to save your time:

Problem description	Possible solution(s)
Can't connect to IP Camera	<ol style="list-style-type: none">1) Please check the IP address of IP Camera again.2) Please make sure the network cable is correctly connected to your local area network.3) Please make sure power cable is correctly connected to IP Camera.4) Please make sure IP Camera is switched on (the LED lights on IP Camera will light up).
No IP Camera found	<ol style="list-style-type: none">1) 'Auto search' function only works on IP Cameras located on local area network.
No image	<ol style="list-style-type: none">1) If the place where IP camera is installed is too dark, try to add some lights when possible.2) Check if there's anything covering the lens.
RTSP URL	<ol style="list-style-type: none">1) Main Stream (H.264/MPEG4) RTSP://IP address :RTSP port/stream12) MJPEG RTSP://IP address :RTSP port/stream23) Mobile View RTSP://IP address :RTSP port/mobile

Federal Communication 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 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:

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

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use


The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.
- French:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2004/108/EC.
- Czechian:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrníc 2004/108/EC.
- Polish:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2004/108/EC.
- Romanian:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2004/108/EC.
- Russian:** Это оборудование соответствует основным требованиям и положениям Директивы 2004/108/EC.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek 2004/108/EC.
- Türkçe:** Bu cihaz 2004/108/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Ukrainian:** Обладнання відповідає вимогам і умовам директиви 2004/108/EC.
- Slovakian:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2004/108/EC.
- German:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2004/108/EC.
- Spanish:** El presente equipo cumple los requisitos esenciales de la Directiva 2004/108/EC.
- Italian:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2004/108/EC.
- Dutch:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2004/108/EC.
- Portugese:** Este equipamento cumpre os requisitos essenciais da Directiva 2004/108/EC.
- Norwegian:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2004/108/EC.
- Swedish:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2004/108/EC.
- Danish:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2004/108/EC.
- Finnish:** Tämä laite täyttää direktiivien 2004/108/EC oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN 



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European EMC directive (2004/108/EC).

Equipment: 2M IP CAMERA BULLET

Model No.: IR-112E

Report No.: T130711D02-E

The following European standards for essential requirements have been followed:

EN 55022: 2010 (Class A)

CISPR 22: 2008 (Ed 6.0)

AS/NZS CISPR 22: 2009 with Amdt I (2010)

EN61000-3-2:2006 +A1: 2009+A2: 2009

EN61000-3-3:2008

EN 55024:2010

(IEC61000-4-2:2008

IEC 61000-4-3:2006 +A1:2007+A2: 2010

IEC 61000-4-4:2012

IEC 61000-4-5:2005

IEC 61000-4-6:2008

IEC 61000-4-8:2009

IEC 61000-4-11: 2004)

Edimax Technology Co., Ltd.

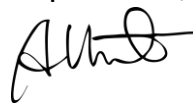
No. 3, Wu Chuan 3rd Road,

Wu-Ku Industrial Park,

New Taipei City, Taiwan

Date of Signature: September, 25, 2013

Signature:



Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.



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