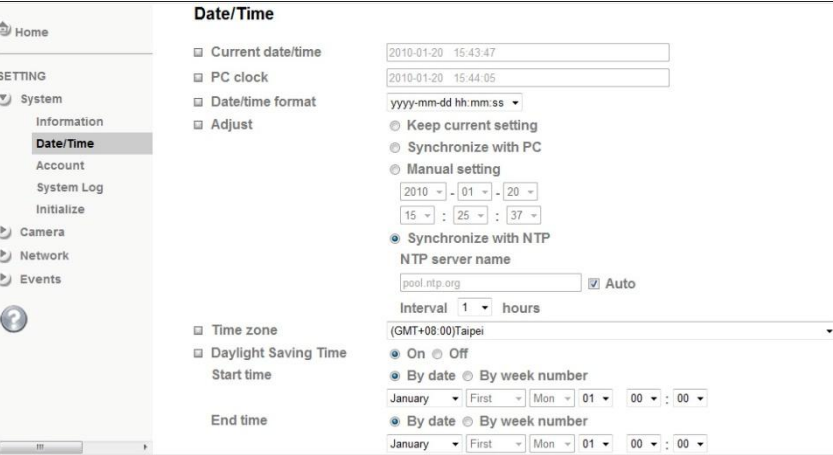


Information

The Information page provides the product factory information which includes **Product Name**, **Firmware Version** and **Web Version**.



Day/Time



Current date / time

Display the current date and time of this IP Camera.

PC clock

Display the date and time of the monitoring PC clock.

Date / Time format

Pull down box to select different time display formats.

Adjust

Keep current setting

Keep the current date and time of this IP Camera.

Synchronize with PC

Keep the date and time the same PC.

Manual setting

Adjust manually the date and time of this IP Camera.

Synchronize with NTP

Specify the NTP server name and the Refresh Interval to synchronize.

Time Zone

You can select the Time Zone.

Daylight Saving Time

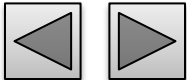
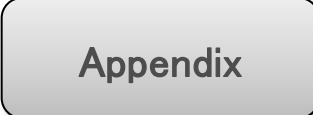
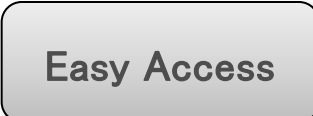
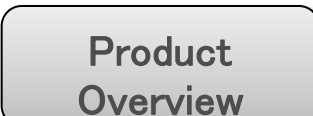
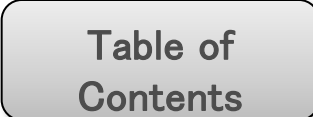
There are two modes to choose for setting up daylight saving time.

By Date

Set the start and end time by select month, day, hour, and minute.

By Week Number

Set the start and end time by select month, week, hour, and minute.



Account

The device fault account and password setting is “admin / admin”. That means everyone who knows IP address can access the device including all configuration. It is necessary to assign a password if the device is intended to be accessed by others.

User ID	User name	Password	Re-type Password	Viewer mode
Administrator	admin	*****	*****	Admin
User 1				Admin
User 2				Admin
User 3				Admin
User 4				Admin
User 5				Admin
User 6				Admin
User 7				Admin
User 8				Admin
User 9				Admin

Viewer authentication On Off

OK Cancel

User name

Set a user name between 4-16 characters.

Password

Set a password between 4-16 characters.

Re-type Password

Re-type the password to confirm.

Viewer Mode

Set the user mode among Admin, Operator, and Viewer. Different viewer mode has different limits of authority.

Admin mode

Has all authority of configuration.

Operator mode

View the Live View and Use Control Panel.

Viewer mode

View the Live View only.

Viewer Authentication

Allows any viewer direct access to Live View.

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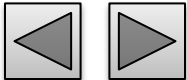
EZvuu

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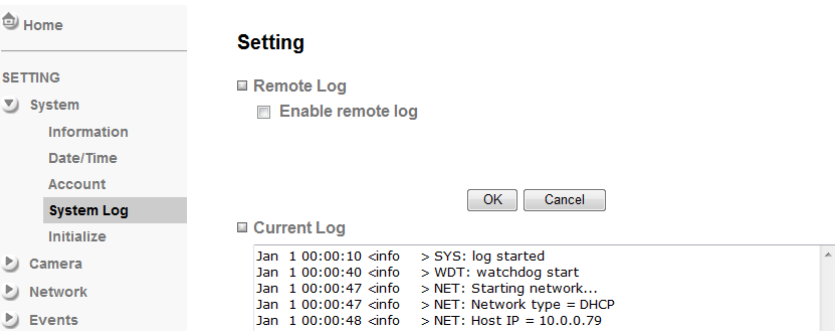
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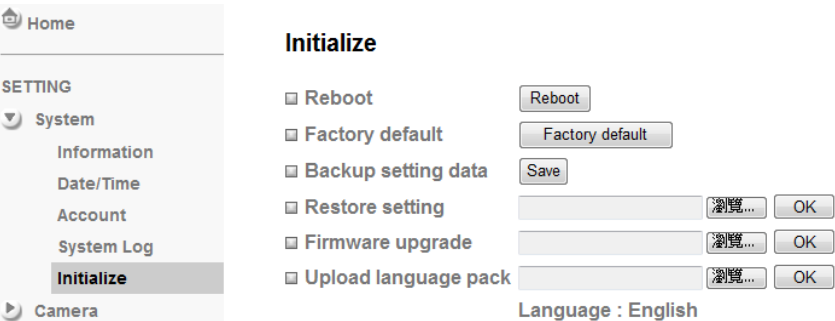
System Log

The System Log function allows users to review any changes and events happened. The system starts logging automatically after started.



Enable remote log

Enables user to send the log data to a specified log server.



Initialize

Reboot

Reboot this IP Camera and it takes two minutes to reboot this IP Camera.

Factory Default

Reset this IP Camera to the factory default setting.. Don't turn off this IP Camera until the device reboots.

Backup Setting

Backup the setting data of this IP Camera.

Restore Setting

Click "Browse" to restore setting and then restart automatically.

Firmware Update

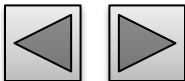
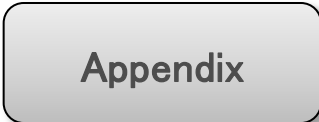
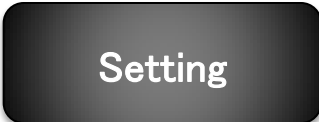
Click "Browse" to upgrade firmware.

Upload Language Pack

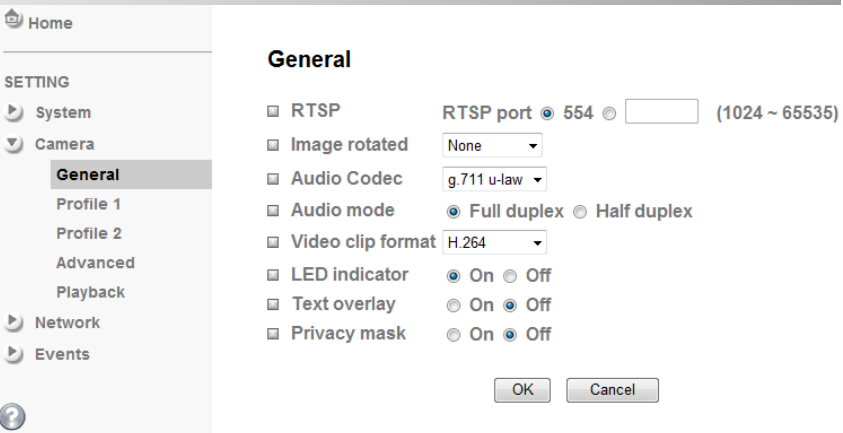
Upgrade the device language pack.



Use only upgrade files that are special for this IP Camera. Otherwise problems may occur. Don't turn off the IP Camera power or disconnect the network until the upgrading is completed.



General



RTSP
Switch RTSP “On” or “Off.” The default value is 554.

Image Rotate
You can mirror or flip the display screen.

Audio Codec
Select one audio codec among G.711 U-law, G.711 A-law and AMR Audio. Or select off to disable sound reception.

Audio Mode
select Full duplex or Half duplex for your camera.

Video Clip Format
Select H.264 or MPEG-4 as recording compression format.

LED Indicator
Turn on/off the LED indicator.

Text Overlay
You can see some information on the display screen which includes Date / Time and user-defined text. Also, you can change the background color.

Privacy Mask
You can cover a specific area of the video image.

Note

RTSP (Real Time Streaming Protocol) is a protocol for use in streaming media system which allows clients to remotely control a streaming video server. RTSP is supported by most of the media clients such as Real Player, QuickTime and VLC...etc.

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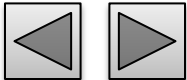
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Profile 1

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Profile 1

Viewer authentication On Off

Image Size

Frame rate fps

Quality

- Auto
- Fixed quality
- Fixed bitrate bps

Streaming

OK Cancel

Viewer Authentication

If the viewer authentication is On, the users will be requested to key-in username and password when viewing through RTSP.

Image Size

Specify the image size from 1280x1024 to 320x240 of profile 1.

Frame Rate

Set the frame rate of profile 1.

Quality

Auto

The quality and bitrate will be adjusted automatically according to the frame rate.

Fixed Quality

You can select the value of quality.

Fixed Bitrate

Set the bitrate of profile 1 transmission for a line.

Streaming

The streaming of profile 1 is fixed MPEG4.

Note

- Concerning how to select the suitable image quality for Fixed Quality or Fixed Bitrate, please refer to APPENDIX / A. Frame-rate & Bitrate Table.
- The frame rate is up to 15 fps at 1280x1024, and up to 30 fps at 640x480. However, if you would like choose frame rate over 15 fps, the IMAGE SIZE of profile1 and profile 2 setting page has to been selected 320x240 or 640x480 at the same time.

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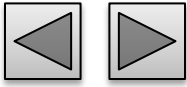
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Profile 2

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Profile 2

Viewer authentication On Off

Image Size

Frame rate fps

Quality

- Auto
- Fixed quality
- Fixed bitrate bps

Streaming

Viewer Authentication

If the viewer authentication is On, the users will be requested to key-in username and password when viewing through RTSP.

Image Size

Specify the image size from 1280x1024 to 320x240 of profile 1.

Frame Rate

Set the frame rate of profile 1.

Quality

Auto

The quality and bitrate will be adjusted automatically according to the frame rate.

Fixed Quality

You can select the value of quality.

Fixed Bitrate

Set the bitrate of profile 1 transmission for a line.

Streaming

Select H.264, MJPEG or 3GPP as streaming of profile 2.

Note

- Concerning how to select the suitable image quality for Fixed Quality or Fixed Bitrate, please refer to APPENDIX / A. Frame-rate & Bitrate Table.
- The frame rate is up to 15 fps at 1280x1024, and up to 30 fps at 640x480. However, if you would like choose frame rate over 15 fps, the IMAGE SIZE of profile1 and profile 2 setting page has to been selected 320x240 or 640x480 at the same time.

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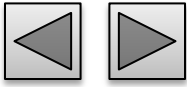
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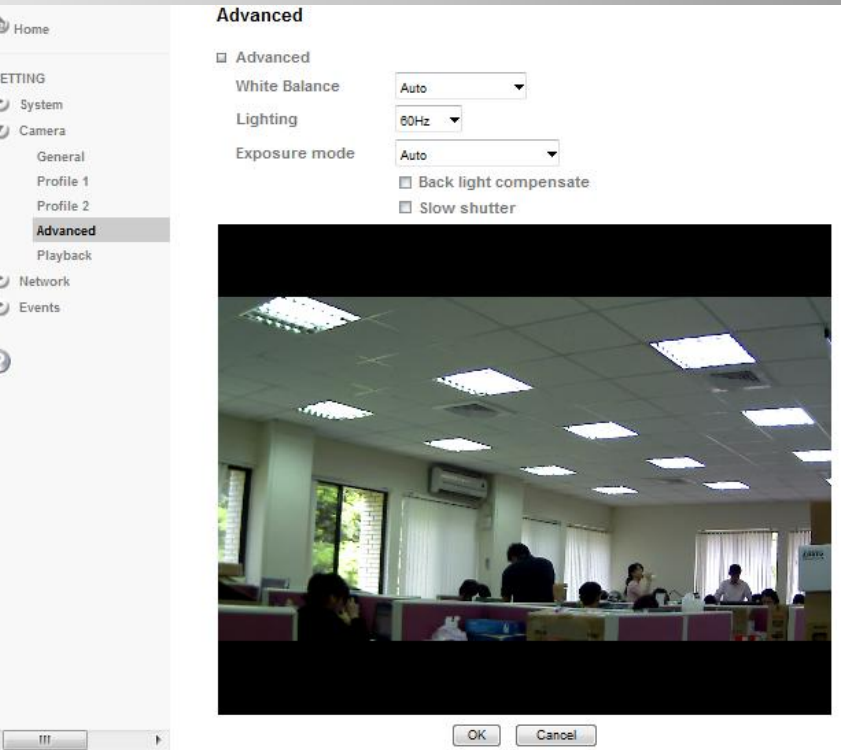
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Camera

Advanced



White Balance

Choose the white balance among Auto, Florescent, Incandescent, Sunny and Cloudy.

Lighting

The default setting of lighting environment is Auto. However, you may also choose 50 or 60 Hz upon the lighting environment of your country.

Exposure Mode

Choose Auto, High Speed Mode or Manual upon the capture environment.

Auto

Choose Auto and you have 2 options to adjust the exposure condition.

Back light compensate:

Click it on and it helps avoid problems in situations where the main subject ends up being too dark, such as when shooting people or other subjects in front of a bright background.

Slow shutter:

Click to adjust the shutter speed automatically and helpful to capture the clear image when shooting in a dark place.

High Speed Mode

Choose High Speed Mode to capture the motion image of sports or high-speed phenomena.

Manual

Choose Manual to setup Shutter Speed and Gain.

Shutter Speed: The default value is 1/30 sec. and you can select the value among 1/4, 1/6, 1/12, 1/30, 1/60, and 1/120 sec.

Gain: The default value is 2 and the value is adjustable among 0~9.

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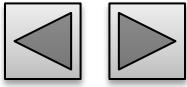
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Playback

Playback

The main playback interface features a large video player area. At the top left of the player, the word 'Playback' is displayed. The video player itself is currently black, indicating it is in a paused state. At the bottom of the player, there is a control bar containing several icons: a play button, a stop button, a volume icon, a mute icon, and a digital zoom icon. A red circle highlights the play, stop, and volume/mute icons. To the right of the video player, there is a vertical sidebar menu with several buttons: 'Table of Contents', 'Product Overview', 'Hardware Installation', 'EZvuu', 'Easy Access', 'Live View', 'Setting', and 'Appendix'. The 'Setting' button is highlighted in a darker shade.

Mirror & flip

Snapshot

Full screen

Video play control

Volume & mute

Digital zoom

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Information

Display the MAC address of the device.

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Information

MAC address

Obtain an IP address automatically (DHCP)
 Use the following IP address

IP address

Subnet mask

Default gateway

Obtain DNS server address automatically
 Use the following DNS server address

Primary DNS server

Secondary DNS server

HTTP port number
 80
 (1024 to 65535)

OK Cancel

Obtain an IP address automatically (DHCP)

Select this while the IP address is assigned by the DHCP server.

Obtain DNS server address automatically

Select this to obtain the address of DNS server automatically.

Use the following IP address

Select this when the fixed IP address is set.

IP address

Enter the IP address of the device.

Subnet mask

Enter the subnet mask.

Default gateway

Enter the default gateway.

Use the following DNS server address

Select this when you set the fixed address as the IP address of DNS server.

Primary DNS server

Enter the IP address of the primary DNS server.

Secondary DNS server

Enter the IP address of the secondary DNS server, if necessary.

HTTP port number

Select **80** (recommend) or enter a port number between 1024 and 65535.

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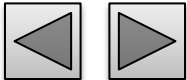
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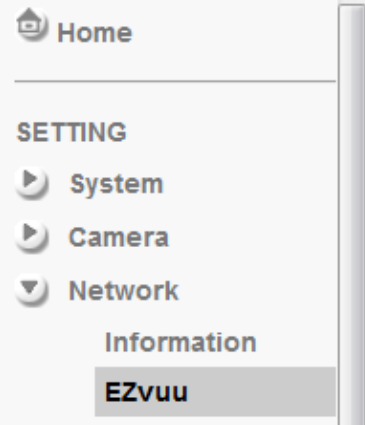
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Network

EZvuu

EZvuu, also known as zero-configuration networking, enables automatic to find your devices on IP networks. EZvuu uses Windows Live Messenger protocols to allow devices to automatically discovered without the need to enter IP addresses or configure DNS servers.



EZvuu

EZvuu On Off

Name

Name

Show your device name on EZvuu.

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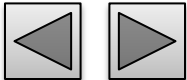
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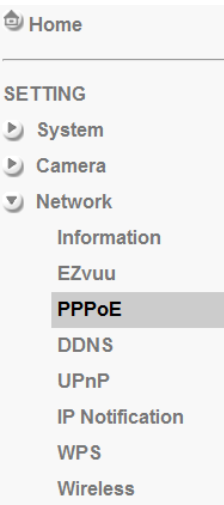
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PPPoE

If your ISP provides Dynamic IP with authentication by username and password, type all PPPoE information in this part. When you use the PPPoE function, you need to turn on the DDNS or IP Notification function at same time.



PPPoE

PPPoE On Off

IP address

User ID

Password

Re-type password

Obtain DNS server address automatically

Use the following DNS server address

Primary DNS server

Secondary DNS server

Note

1. The IP Camera needs to be rebooted after it finishes changing the network completely.
2. The IP Camera with Intelligent IP Installer can't be founded after turning on the PPPoE and reboot.

IP Address

The IP address obtained at the PPPoE connecting with network.

User ID

Enter the user ID for authentication necessary for PPPoE connections.

Password

Enter the password for authentication necessary for PPPoE connections.

Re-type Password

Re-type the password to confirm.

Obtain DNS server address automatically

Select this to obtain the address of DNS server automatically.

Use the following DNS server address

Select this when you set the fixed address as the IP address of DNS server.

Primary DNS server

Enter the IP address of the primary DNS server.

Secondary DNS server

Enter the IP address of the secondary DNS server.

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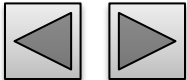
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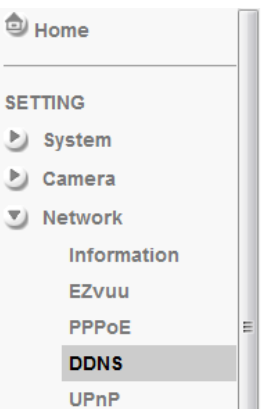
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DDNS

DDNS is a system which allows the domain name data held in a name server to be updated in real time. The most common use for DDNS is allowing an internet domain name to be assigned to a computer with a varying / dynamic IP Address. This makes it possible for other sites on the internet to establish connection to the machine without needing to track the IP Address themselves.



DDNS

DDNS On Off

Server name

User ID

Password

Re-type password

Host name

Server name

Choose the DDNS Server from the list.

User ID

Enter the user ID for authentication necessary for DDNS connections. Type it up to 64 characters.

Password

Enter the password for authentication necessary for DDNS connections. Type it up to 32 characters.

Re-type password

Re-type the password to confirm.

Host name

Enter the host name that is registered to the DDNS server.

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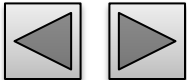
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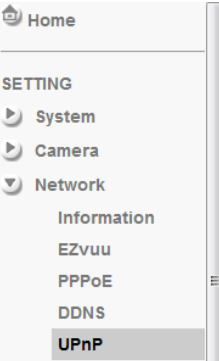
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UPnP

You can select UPnP function “On” or “Off”. If a ROUTER is used to access to internet and it supports UPnP IGD function, please turn on the UPnP Port Forwarding function.



UPnP

UPnP On Off

Turn On UPnP port forwarding

HTTP port 80 (1024 ~ 65535)

SSL port 443 (1024 ~ 65535)

MPEG4 RTSP port 554 (1024 ~ 65535)

HTTP port

The default HTTP port is 80. Or the port number can be entered, ranged from 1024 to 65535.

SSL port

The default SSL port is 443. Or the port number can be entered, ranged from 1024 to 65535.

MPEG4 RTSP port

The default MPEG-4 RTSP Port is 554. Or the port number can be entered, ranged from 1024 to 65535.

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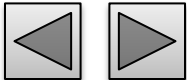
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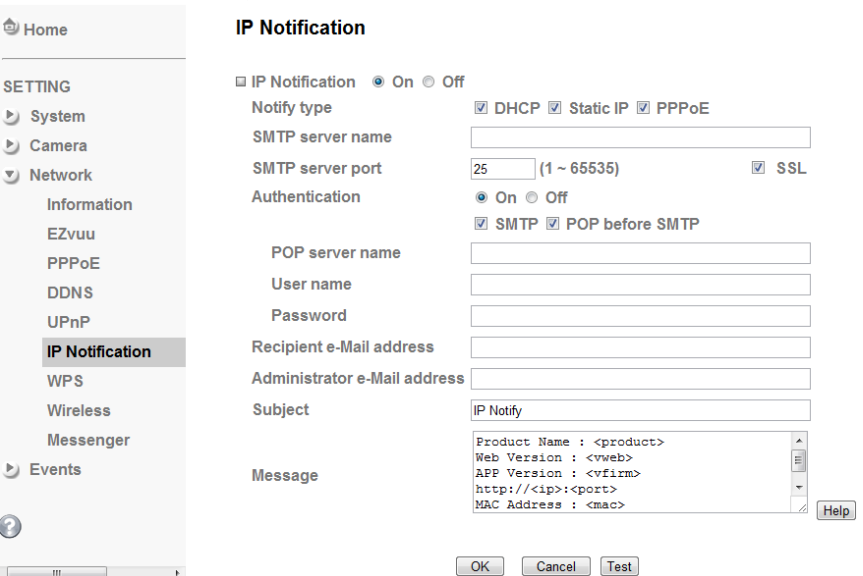
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IP Notification

When network notify type is set to "ON", you can send an e-mail notification of the completion of the network setting.



Notify Type

Select the notify type

SMTP Server Name

Type the SMTP server name or the IP address

SMTP Server Port

Set port number of your mail server. The default value is 25. Tick SSL box if the mail server you use has security restriction.

Authentication

Required when you send an email.

SMTP

Select if SMTP authentication is necessary when an e-mail is sent.

POP before SMTP

Select if POP before SMTP authentication is necessary when an e-mail is sent.

POP server name

Type the POP server name of the user.

User name, Password

Type the user name and Password of the user.

Recipient e-mail address

Type up to 3 recipient e-Mail addresses.

Administrator e-mail address

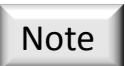
This address is used for reply mail and sending system messages from the SMTP server.

Subject

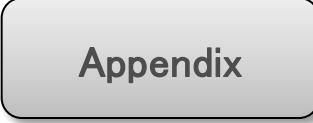
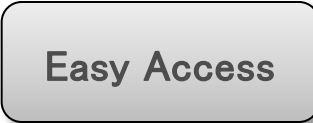
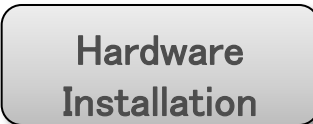
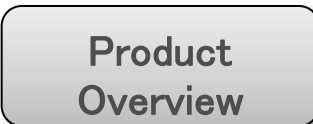
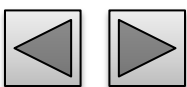
Type the subject/title of the e-Mail.

Message

Type the text of the E-mail. Default provides network information including IP, Port, MAC, Model, Firmware Version and Web Version.

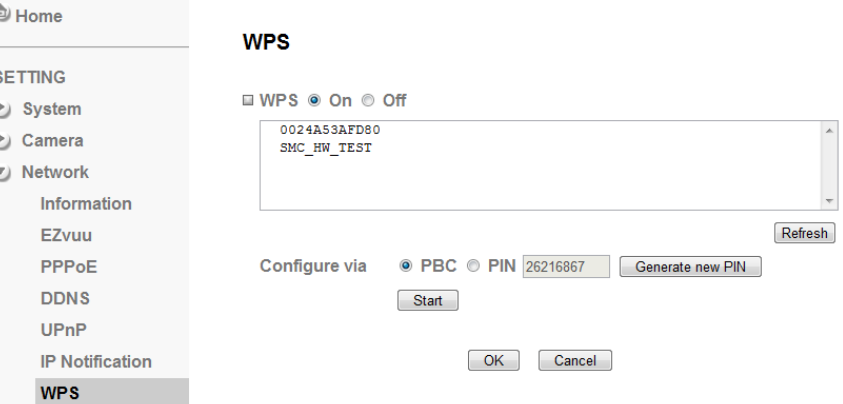


If you use g-mail as your mail server, you should set 587 as your port number and tick SSL box.



WPS

WPS (Wi-Fi Protected Setup) also known as a standard for easy and secure establishment of a wireless home network.



WPS

Enable/disable the WPS function.

Configure via Push button

Click "Start"

Configure via Pin code

password for this msn account.

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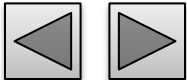
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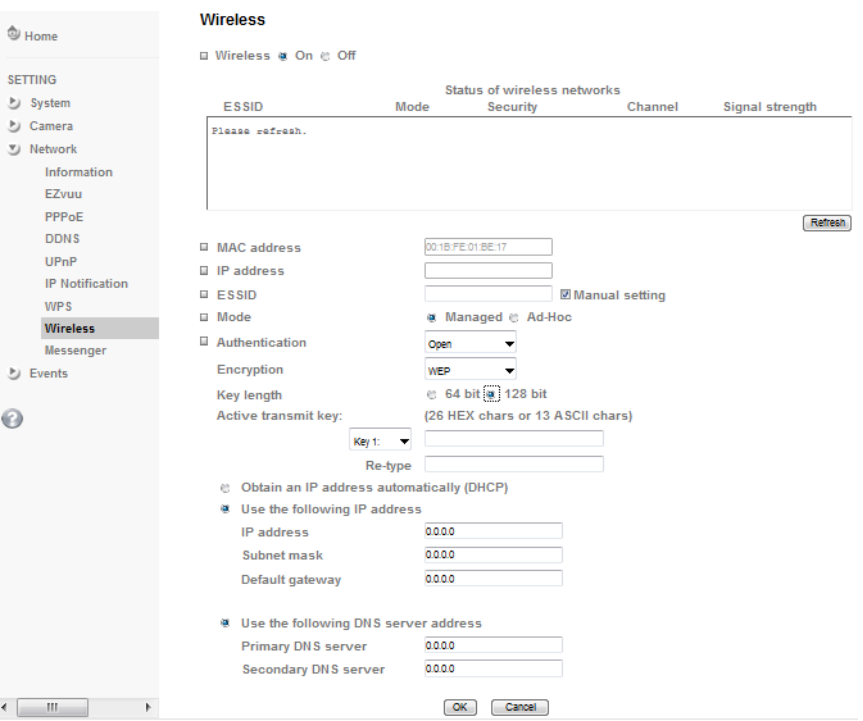
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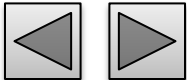


Wireless

The wireless network has to be set up by using cable network connection. After setting the camera correctly, the wireless function can work without cable network connection. Please follow the setting process below step by step:



1. See the wireless setting page. Then click “Refresh”. All access points (AP) around you will show up.
2. Select the AP you wish to connect.



3. Enter password at active transmit key if you need. If you don't know the setting of the wireless AP, please ask your network administrator.
4. Choose the option of **Obtain an IP address automatically (DHCP)**.
5. Choose the option of **Obtain DNS server address automatically**.

Use the following IP address
 Select this when the fixed IP address is set.
 IP address: Enter the IP address of the device.
 Subnet mask: Enter the subnet mask.
 Default gateway: Enter the default gateway.
 Use the following DNS server address
 Select this when you set the fixed address as the IP address of DNS server.
 Primary DNS server: Enter the IP address of the primary DNS server.
 Secondary DNS server: Enter the IP address of the secondary DNS server, if necessary.

6. Connect to the IP camera with wireless IP address, then you can remove the Ethernet connection.

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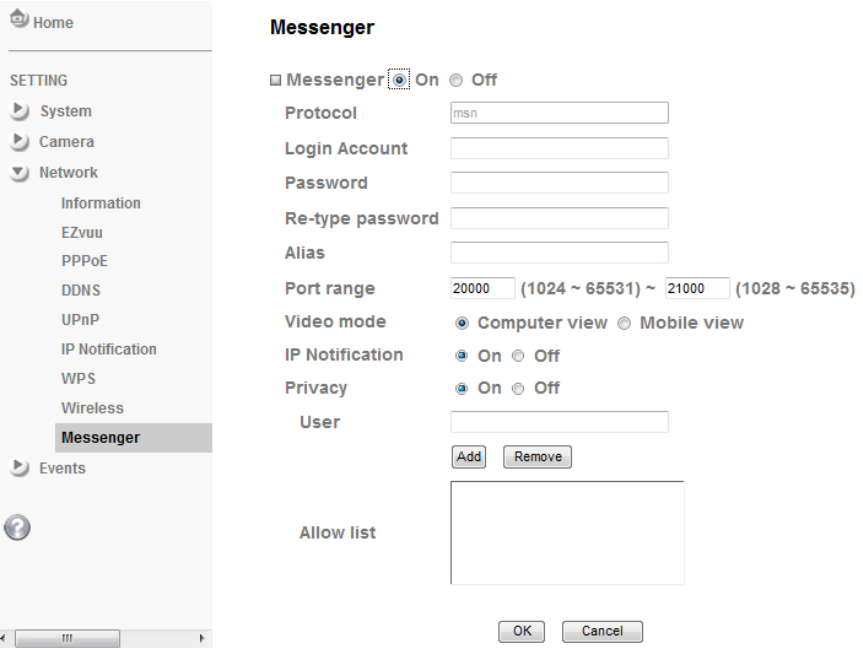
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Messenger

If Messenger option is selected On, you can set out the setting of MSN account. Messenger function provide an easy-connect feature. User can easy to know what camera's private and public IP address is.



Protocol

support MSN only.

Login Account

Camera will use this account to login MSN server.

Password

password for this msn account.

Re-type password

re-type password to double confirm.

Alias

This alias will display on MSN nickname.

Port range

Select one port range for video transmission.

IP Notification

Switch the IP notification On / Off. **If this feature switches On**, camera will send IP notification to the users who are allowed.

Privacy

Switch privacy On / Off. **When privacy turns on**, only those users in allowed list can access the camera.

User

Input to this blank to edit allow list.

Allow list

When privacy turns on, only those users in allow list can access the camera.

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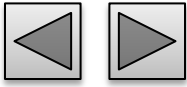
EZvuu

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Live View

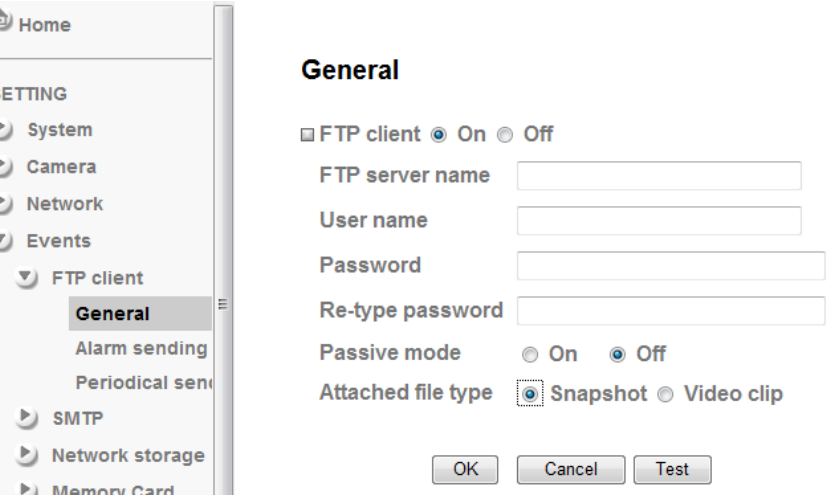
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FTP Client – general

Use this menu to set up for capturing and sending images to an FTP server. By using FTP client function, you can send the **image file** which has been shot and recorded linked with the built-in motion detection function to FTP server. FTP client setting menu is composed of two tabs, **General**, **Alarm sending** and **Periodical sending**.



Note

The frame rate and operability on the main viewer may decrease while a file is being transmitted by the FTP client function.

FTP server name

Type the FTP server name to upload still images up to 64 characters, or the IP address of the FTP server.

User name

Type the user name for the FTP server.

Password

Type the password for the FTP server.

Retype password

To confirm the password, type the same characters as you typed in the Password box.

Passive mode

Set whether you use the passive mode of FTP server or not when connecting to FTP server. Select **On** to connect to FTP server using the passive mode.

Attached File Type

You can choose snapshot or video clip for alarm sending.

Test

After setting the FTP server information, you can tick the test key to test if the connection between IP CAM and FTP server works.

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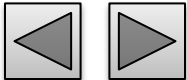
EZvuu

Easy Access

Live View

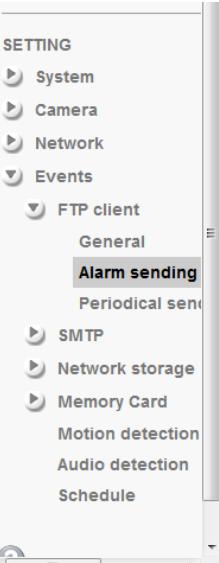
Setting

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FTP Client – alarm sending

Set to forward the **image file** to the specified FTP server linked with the alarm detection by the built-in motion detection function. Select **On** to send the image file to FTP server linked with the alarm detection.



Alarm sending

Alarm sending On Off

Remote path

Image file name

Suffix Date Time Sequence number

Sequence number clear

Alarm Motion detection
 Audio detection
 Network link down

Effective Period Always Schedule

Remote Path

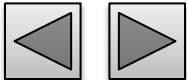
Type the path to the destination in FTP.

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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FTP Client – periodical sending

You can set to send an image file to FTP server periodically by selecting **On** to send the image file to FTP server linked with setting period.

The screenshot shows the 'Periodical sending' configuration interface. It includes a sidebar with navigation options like 'System', 'Camera', 'Network', 'Events', 'FTP client', 'SMTP', and 'Motion detection'. The main area is titled 'Periodical sending' and contains the following settings:

- Periodical sending On Off
- Remote path: [Text Input Field]
- Image file name: [Text Input Field]
- Suffix: None Date Time Sequence number
- Interval: [00] H [30] M (MIN : 1min. MAX : 24-hour interval)
- Effective Period: Always Schedule

Buttons include 'Clear' (next to 'Sequence number clear'), 'Schedule', 'OK', and 'Cancel'.

Remote Path

Type the path to the destination in FTP.

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

You can set schedule function at schedule page.

Suffix

Select a suffix to be added to the file name sent by SMTP.

None

The name of the sent file will be the Image file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Interval

Set the periodical sending is effective interval.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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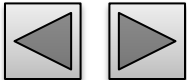
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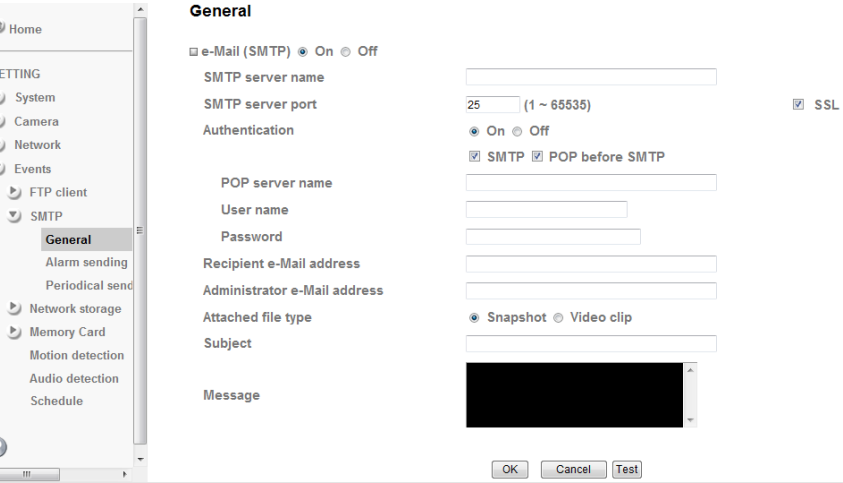
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SMTP – general

You can send a mail with attached **image file** which shot by external sensor input and motion detections or shot periodically.



SMTP Server Name

Type the SMTP server name or the IP address

SMTP Server Port

Set port number of your mail server. The default value is 25. Tick SSL box if the mail server you use has security restriction.

Authentication

Required when you send an email.

SMTP

Select if SMTP authentication is necessary when an e-mail is sent.

POP before SMTP

Select if POP before SMTP authentication is necessary when an e-mail is sent.

POP server name

Type the POP server name of the user.

User name, Password

Type the user name and Password of the user.

Recipient e-mail address

Type up to 3 recipient e-Mail addresses.

Administrator e-mail address

This address is used for reply mail and sending system messages from the SMTP server.

Attached File Type

Select snapshot or video clip for alarm sending.

Subject

Type the subject/title of the e-Mail.

Message

Type the text of the E-mail.

Note

If you use g-mail as your mail server, you should set 587 as your port number and tick SSL box.

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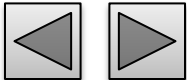
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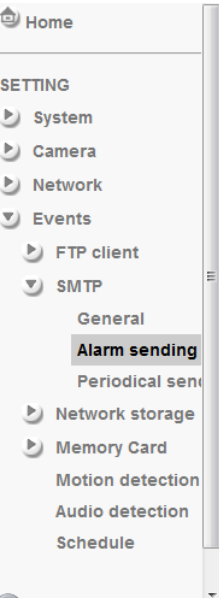
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SMTP – alarm sending

Set to send the mail with connection to the alarm detection. Select On to send the image file to SMTP server linked with the alarm detection.



Alarm sending

Alarm sending On Off

File attachment On Off

Image file name

Suffix None Date Time Sequence number

Sequence number clear

Alarm Motion detection
 Audio detection
 Network link down

Effective Period Always Schedule

File attachment

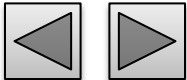
Set whether an image file is attached to the mail sent or not.

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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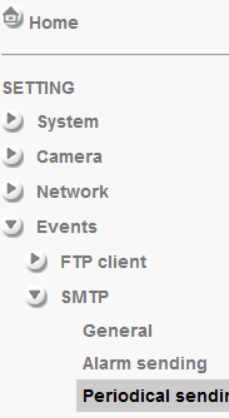
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SMTP – periodical sending

You can set to send an image file by SMTP server periodically by selecting **On** to send the image file by SMTP server linked with setting period.



Periodical sending

Periodical sending On Off

Image file name

Suffix None Date Time Sequence number

Sequence number clear

Interval H M
(MIN : 30min. MAX : 24-hour interval)

Effective Period Always Schedule

Image file name

Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and _ (underscore).

Note

You can set schedule function at schedule page.

Suffix

Select a suffix to be added to the file name sent by SMTP.

None

The name of the sent file will be the Image file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Interval

Set the periodical sending is effective interval.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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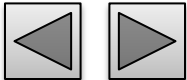
EZvuu

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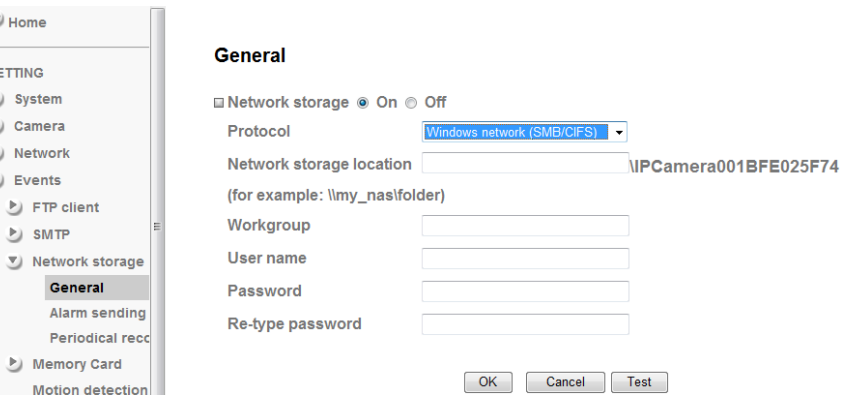
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Network Storage – general

Select On if you would like to use the network storage function. Then choose one protocol between Windows network (SMB/CIFS) and Unix network (NFS).



Protocol - Windows Network (SMB/CIFS):.

Network Storage Location

Type the IP or name of specified computer and folder. For example, //IP/folder name or // my_nas/folder name.

Workgroup

Type the name of workgroup which the operating computer belongs.

User Name & Password

Type the name and password for workgroup.

Attached File Type

You can choose snapshot or video clip for alarm sending. Select “Snapshot,” one snapshot will be transmitted to the specified network storage location while motion detection / audio detection / alarm input triggered. Select “Video clip,” one video clip which can be selected from 5 seconds to 60 seconds will be transmitted.

Test

After setting the network storage location information, you can tick the test key to test if the connection between IP CAM and network storage location works.

Protocol- Unix network (NFS):

Network Storage Location

Type the IP or name of specified computer and folder. For example, //IP/folder name or my_nas:/folder name.

Test

After setting the network storage location information, you can tick the test key to test if the connection between IP CAM and network storage location works.

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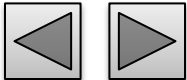
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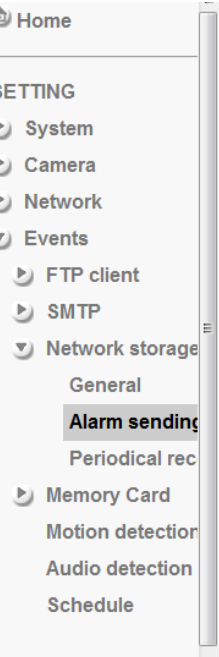
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Network Storage – alarm sending

Set to transmit the snapshot or video clip file with connection to the alarm detection. Select On to send the file to network storage location linked with the alarm detection.



Alarm sending

Alarm sending On Off

Image file name

Suffix Date Time Sequence number

Sequence number clear

Alarm Motion detection
 Audio detection
 Network link down

Recording time Sec (5 - 60)

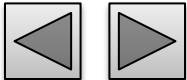
Effective Period Always Schedule

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Recording Time

Select recording time from 5 to 60 minutes.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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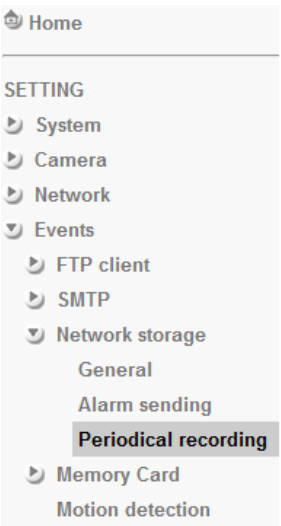
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Network Storage – periodical sending

You can set to send an image file by SMTP server periodically by selecting **On** to send the image file by SMTP server linked with setting period.



Periodical recording

Periodical recording On Off

Image file name

Suffix Date Time Sequence number

Sequence number clear

File size (1~50 MB)

Cyclic size (100~1024000 MB)

Recording time Always Schedule

Image file name

Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and _ (under score).

Suffix

Select a suffix to be added to the file name sent by SMTP.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

File Size

The file size of image or video clip transmitted to the network storage location can't over 50MB.

Cyclic Time

The total amount of files transmitted to the network storage location has to be in the range from 100 to 1024000MB.

Recording Time

Set the period when the periodical sending is effective.

Always

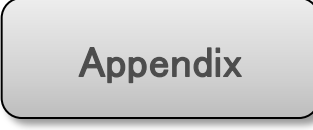
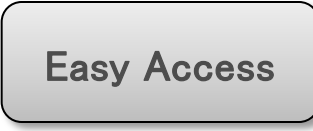
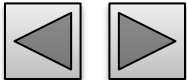
The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.



You can set schedule function at schedule page.



Memory Card– general

Memory card provides local storage function for saving image files to the specified SD/SDHC card in your camera. This function can be enabled only when you insert SD/SDHC card to the camera and the SD/SDHC card works well.

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General

Memory Card On Off

Card Status

Card status notification On Off

Capacity warning

SMTP server name

SMTP server port (1 ~ 65535) SSL

Authentication On Off

SMTP POP before SMTP

POP server name

User name

Password

Recipient e-Mail address

Administrator e-Mail address

Overwrite On Off

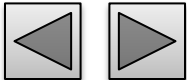
File manager

Card Status

Show the space free/total size of your memory card.

Note

1. If you use g-mail as your mail server, you should set 25 as your port number and tick SSL box.
2. When you set to On, be sure to select either or both SMTP or / and POP before SMTP.



Card Status Notification

Select **On** to enable card status notification.

Capacity Warning

Select capacity warning when the space free is 5%, 10%, 25% or 50%.

SMTP Server Name

Type the SMTP server name up to 64 characters, or the IP address of the SMTP server.

SMTP Server Port

You can set port number from 1~65535 according to your mail server. The default value is 25.

Security Setting

Tick SSL box if the mail server you use has security restriction.

Authentication

Select the authentication required when you send an email.

SMTP

Select if SMTP authentication is necessary when an e-mail is sent.

POP before SMTP

Select when POP before SMTP authentication is necessary when an e-mail is sent.

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General

Memory Card On Off

Card Status

Card status notification On Off

Capacity warning

SMTP server name

SMTP server port (1 ~ 65535) SSL

Authentication On Off

SMTP POP before SMTP

POP server name

User name

Password

Recipient e-Mail address

Administrator e-Mail address

Overwrite On Off

File manager

User name, Password

Type the user name and Password of the user who has the mail account. This setting is necessary when the SMTP server which sends e-mails performs authentication.

Recipient e-mail address

Type the recipient e-Mail address up to 64 characters. You can specify up to three recipient E-mail addresses.

Administrator e-mail address

Type the Administrator e-Mail address up to 64 characters. This address is used for reply mail and sending system messages from the SMTP server.

Test

Click to test your SMTP setting works or not.

Overwrite

Select on to disable capacity warning and overwrite your memory card when space free is not enough.

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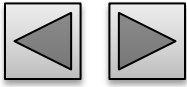
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Memory Card– general

File Manager


click to manage your memory card.

	IPCamera001BFE025F5E/	
Delete	Save to network storage	File name
<input type="checkbox"/> Select all	<input type="checkbox"/> Select all	Alarm/
<input type="checkbox"/>	<input type="checkbox"/>	Backup/
<input type="checkbox"/>	<input type="checkbox"/>	Period/

Refresh

Click  to refresh this page.

Back

Click  to back folder.

File Name

Click the following file name to forward folder.

Select All

Select all to delete or save to network storage.

Delete

Delete selected folder or files.

Save to network storage

Save selected folder or files to configured network storage.

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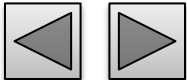
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Memory Card – alarm sending

Set to transmit the snapshot or video clip file with connection to the alarm detection. Select On to send the file to memory card location linked with the alarm detection.

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Alarm sending

Alarm sending On Off

Image file name

Suffix Date Time Sequence number

Sequence number clear

Alarm Motion detection

Audio detection

Network link down

Recording time sec. (1 to 60 sec.)

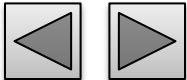
Effective Period Always Schedule

Image File Name

Type the file name you want to assign to the images when sending to the FTP server.

Note

1. You can set motion detection at motion detection page.
2. You can set schedule function at schedule page.



Suffix

Select a suffix to add to the file name.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

Alarm

Select **Motion Detection/Audio Detection/Network Link Down** function as a sensor.

Recording Time

Select recording time from 5 to 60 minutes.

Effective period

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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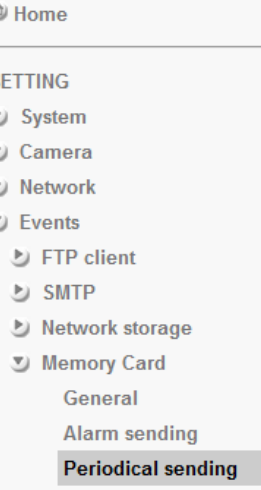
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Memory Card – periodical sending

You can set to send an image file by SMTP server periodically by selecting **On** to send the image file by SMTP server linked with setting period.



Periodical sending

Periodical sending On Off

Image file name

Suffix Date Time Sequence number

Sequence number clear

File size (1~50 MB)

Recording time Always Schedule

Image file name

Type the file name of the image sent by SMTP up to 10 alphanumeric characters, - (hyphen) and _ (under score).

Note

You can set schedule function at schedule page.

Suffix

Select a suffix to be added to the file name sent by SMTP.

Date & time

The date & time suffix is added to the Image file name.

Sequence number

The sequence number is added to the Image file name.

Sequence number clear

Click **Clear** and the suffix of the sequence number returns to 1.

File Size

The file size of image or video clip transmitted to the network storage location can't over 50MB.

Recording Time

Set the period when the periodical sending is effective.

Always

The periodical sending is always effective.

Schedule

You can specify the period when the periodical sending is effective in the Schedule setting in the other section.

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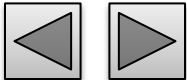
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Memory Card – backup

Save to Memory Card

Click check box to save files to memory card when FTP or network storage shutdown.

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Backup

- Save to memory card
 - FTP server shutdown
 - Network storage shutdown

OK Cancel

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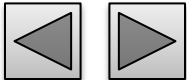
EZvuu

Easy Access

Live View

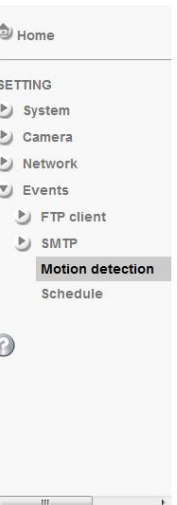
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Motion Detection

There are three Motion Detection functions as sensors to set for different detecting zones. Each one has Threshold and Sensitivity inputs which you can adjust to specific zone sequentially. Motion Detection function can support to FTP, SMTP and HTTP for capturing and sending images.



Setting

<input checked="" type="checkbox"/> Motion detection 1	<input checked="" type="checkbox"/> Motion detection 2	<input checked="" type="checkbox"/> Motion detection 3
Threshold	Threshold	Threshold
Sensitivity	Sensitivity	Sensitivity

Motion Detection

Threshold

It means the extent which the alarm will be triggered

Sensitivity

It means that how often the sensor will scan the image different. The higher sensitivity it is and the more frequently it scans.

Motion Detection 1, 2 and 3

Click it on for using **Motion Detection 1,2 and 3** function as a sensor. You can adjust and move the detecting zone by using mouse.

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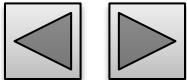
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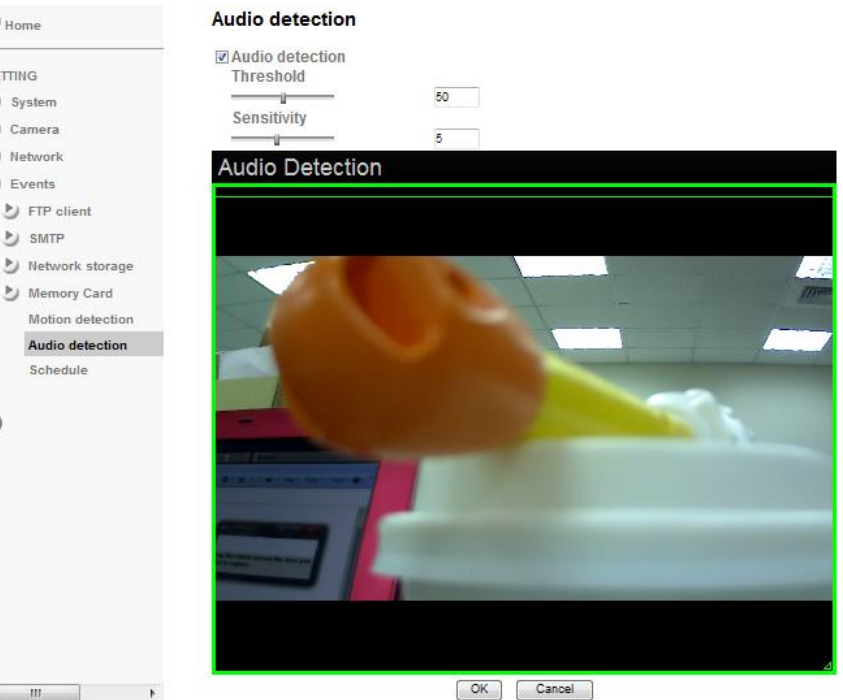
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Events

Audio Detection

The **Audio detection** has Threshold and Sensitivity inputs which you can adjust sequentially. Audio Detection function can support to **FTP Client, SMTP, Network Storage, Memory Card** and so on. Click it on for using **Audio Detection** function as a sensor. You can set audio detection function at the audio detection function screen.



Threshold

It means the extent which the alarm will be triggered. The default value is 50 and the value range is 0~100.

Sensitivity

It means that how often the sensor will scan the image different. The higher sensitivity it is and the more frequently it scans. The default value is 5 and the value range is 1~10.

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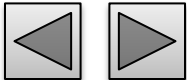
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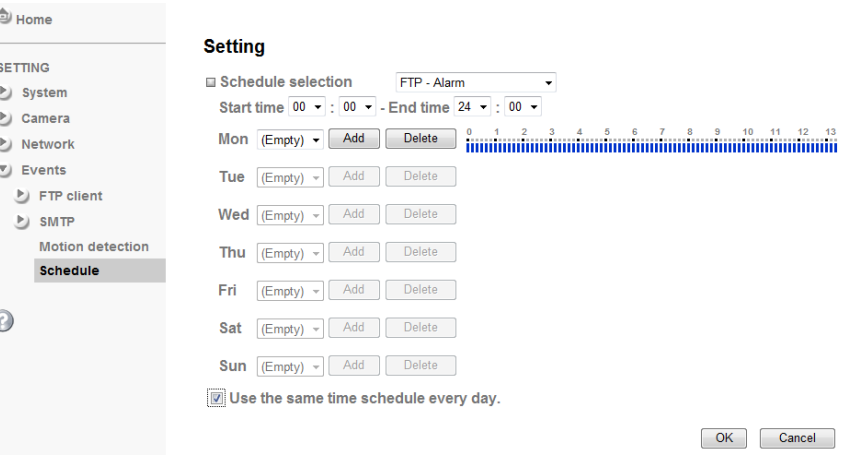
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Schedule

This is the same menu as the setting menu which is displayed when you click **Schedule** to set Effective period and Schedule in **FTP** client setting menu and e-Mail (**SMTP**) setting menu.



Schedule Selection

Select the list box to specify the schedule you want to set.

- FTP -Alarm
- FTP - Periodical
- e-Mail (SMTP) -Alarm
- e-Mail (SMTP) -Periodical
- Record – Alarm
- Record – Periodical
- Memory Card – Alarm
- Memory Card - Periodical

Mon (Monday) to Sun (Sunday)

The time period on the right of the checked day is the effective period of the schedule.

Start time, End time

Specify the **Start time** and the **End time**.

Use the same time schedule every day

When this is checked, the **Start time** and **End time** set to **Mon** (Monday) are applied to all days. In this case, the **Start time** and **End time** of the other days than **Mon** (Monday) cannot be input.

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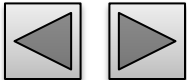
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Help

HELP is an online help and support. It provide solutions immediately.

- Home
- SETTING
 - System
 - Camera
 - Network
 - Events
 - Help**



Welcome to Camera Settings Page

HELP

- System**
 - [Information](#)
 - [Day/Time](#)
 - [Account](#)
 - [System Log](#)
 - [Initialize](#)
- Camera**
 - [General](#)
 - [Profile 1](#)
 - [Profile 2](#)
 - [Advanced](#)
 - [Playback](#)
- Network**
 - [Information](#)
 - [EZvuu](#)
 - [PPPoE](#)
 - [DDNS](#)
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 - [IP Notification](#)
 - [WPS](#)

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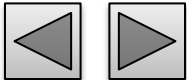
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Frame Rate and Bitrate Table

Mega Mode

VGA Mode

Storage Requirement Table

Mega Mode

VGA Mode

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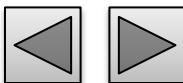
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Frame Rate and Bitrate Table

H.264 @ 15fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	1500	1200	180	50
Detailed	400	250	100	30
Good	250	100	80	20
Standard	100	60	50	15
Medium	80	50	40	10

H.264 @ 10fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	1000	800	120	30
Detailed	280	100	70	20
Good	170	70	55	15
Standard	70	40	30	10
Medium	55	30	20	8

H.264 @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
1280*1024	6144	15	6300	15
1280*1024	6144	10	6300	10
1280*1024	2048	15	2200	15
1280*1024	2048	10	2200	10
1280*1024	512	15	550	15
1280*1024	512	10	550	10
1280*720	6144	15	6300	15
1280*720	6144	10	6300	10
1280*720	2048	15	2200	15
1280*720	2048	10	2200	10
1280*720	512	15	550	15
1280*720	512	10	550	10
640*480	6144	15	6300	15
640*480	6144	10	6300	10
640*480	2048	15	2200	15
640*480	2048	10	2200	10
640*480	512	15	550	15
640*480	512	10	550	15
320*240	6144	15	5100	15
320*240	6144	10	3600	10
320*240	2048	15	2200	15
320*240	2048	10	2200	10
320*240	512	15	550	15
320*240	512	10	550	10

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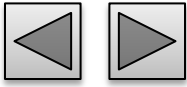
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Frame Rate and Bitrate Table

MPEG4 @ 15fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	2700	2000	300	100
Detailed	1100	800	200	80
Good	500	350	150	60
Standard	350	250	100	40
Medium	300	200	80	35

MPEG4 @ 10fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	1800	1400	200	80
Detailed	800	550	120	60
Good	350	250	100	40
Standard	250	180	80	30
Medium	200	140	60	25

MPEG4 @ Kbps, fps

Image-Size	Quality Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
1280*1024	6144	15	5500	13
1280*1024	6144	10	6300	10
1280*1024	2048	15	2200	15
1280*1024	2048	10	2200	10
1280*1024	512	15	550	15
1280*1024	512	10	550	10
1280*720	6144	15	6300	15
1280*720	6144	10	6300	10
1280*720	2048	15	2200	15
1280*720	2048	10	2200	10
1280*720	512	15	550	15
1280*720	512	10	550	10
640*480	6144	15	6300	15
640*480	6144	10	6300	10
640*480	2048	15	2200	15
640*480	2048	10	2200	10
640*480	512	15	550	15
640*480	512	10	550	10
320*240	6144	15	2200	15
320*240	6144	10	1800	10
320*240	2048	15	2200	15
320*240	2048	10	1800	10
320*240	512	15	550	15
320*240	512	10	550	10

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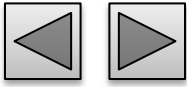
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Frame Rate and Bitrate Table

MJPEG @ 15fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	22000	16000	6000	2200
Detailed	12000	7000	3000	1200
Good	7000	5000	2500	1000
Standard	5500	4000	2000	800
Medium	4000	3000	1200	500

MJPEG @ 10fps / Kbps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	15000	11000	4000	1500
Detailed	8000	5000	2000	800
Good	5000	3500	1800	700
Standard	4000	3000	1500	600
Medium	3000	2000	800	350

MJPEG @ Kbps, fps

Image-Size	Quality Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
1280*1024	Excellent	15	22000	15
1280*1024	Excellent	10	15000	10
1280*1024	Good	15	7000	15
1280*1024	Good	10	5000	10
1280*1024	Medium	15	4000	15
1280*1024	Medium	10	3000	10
1280*720	Excellent	15	16000	15
1280*720	Excellent	10	11000	10
1280*720	Good	15	5000	15
1280*720	Good	10	3500	10
1280*720	Medium	15	3000	15
1280*720	Medium	10	2000	10
640*480	Excellent	15	6000	15
640*480	Excellent	10	4000	10
640*480	Good	15	2500	15
640*480	Good	10	1800	10
640*480	Medium	15	1200	15
640*480	Medium	10	800	10
320*240	Excellent	15	2200	15
320*240	Excellent	10	1500	10
320*240	Good	15	1000	15
320*240	Good	10	700	10
320*240	Medium	15	500	15
320*240	Medium	10	350	10

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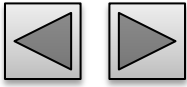
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Frame Rate and Bitrate Table

H.264 @ 30fps / Kbps

Quality	640*480	320*240
Excellent	600	60
Detailed	120	40
Good	60	30
Standard	50	25
Medium	40	20

H.264 @ 15fps / Kbps

Quality	640*480	320*240
Excellent	400	40
Detailed	80	30
Good	40	25
Standard	30	20
Medium	25	15

H.264 @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	6144	30	6300	30
640*480	6144	15	6300	15
640*480	2048	30	2200	30
640*480	2048	15	2200	15
640*480	512	30	550	30
640*480	512	15	550	15
320*240	6144	30	6300	30
320*240	6144	15	5500	15
320*240	2048	30	2200	30
320*240	2048	15	2200	15
320*240	512	30	550	30
320*240	512	15	550	15

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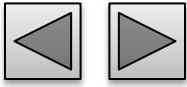
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Frame Rate and Bitrate Table

MPEG4 @ 30fps / Kbps

Quality	640*480	320*240
Excellent	1000	120
Detailed	400	80
Good	200	60
Standard	150	50
Medium	120	40

MPEG4 @ 15fps / Kbps

Quality	640*480	320*240
Excellent	600	80
Detailed	250	50
Good	150	40
Standard	100	30
Medium	80	20

MPEG4 @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	6144	30	6300	30
640*480	6144	15	6300	15
640*480	2048	30	2200	30
640*480	2048	15	2200	15
640*480	512	30	550	30
640*480	512	15	550	15
320*240	6144	30	5100	30
320*240	6144	15	2800	15
320*240	2048	30	2200	30
320*240	2048	15	2200	15
320*240	512	30	550	30
320*240	512	15	550	15

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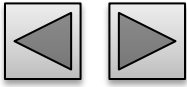
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Frame Rate and Bitrate Table

MJPEG @ 30fps / Kbps

Quality	640*480	320*240
Excellent	13000	4500
Detailed	6500	2500
Good	5000	2000
Standard	4000	1600
Medium	2500	1000

MJPEG @ 15fps / Kbps

Quality	640*480	320*240
Excellent	7000	2500
Detailed	3500	1500
Good	2800	1200
Standard	2100	1000
Medium	1400	700

MJPEG @ Kbps, fps

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Current Frame-Rate
640*480	Excellent	30	13000	30
640*480	Excellent	15	7000	15
640*480	Good	30	5000	30
640*480	Good	15	2800	15
640*480	Medium	30	2500	30
640*480	Medium	15	1400	15
320*240	Excellent	30	4500	30
320*240	Excellent	15	2500	15
320*240	Good	30	2000	30
320*240	Good	15	1200	15
320*240	Medium	30	1000	30
320*240	Medium	15	700	15

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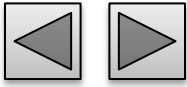
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Storage Requirement Table

H.264 Storage Requirement GB / channel / day @ 15fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	50	45	10	4.2
Detailed	16.6	13	8.3	2.5
Good	13	8.3	6.7	1.7
Standard	8.3	5	4.2	1.3
Medium	6.7	4.2	3.4	1

H.264 Storage Requirement GB / channel / day @ 10fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	45	22.5	6.7	2.5
Detailed	12.5	8.3	5.9	1.7
Good	8.3	5.9	4.6	1.3
Standard	5.9	3.4	2.5	1.3
Medium	4.5	2.5	2.1	0.7

H.264 Storage Requirement GB / channel / day

Image-Size	Bitrate Setting	Frame-Rate Setting	Storage Requirement
1280*1024	6144	15	522.9
1280*1024	6144	10	522.9
1280*1024	2048	15	182.6
1280*1024	2048	10	182.6
1280*1024	512	15	45.7
1280*1024	512	10	45.7
1280*720	6144	15	522.9
1280*720	6144	10	522.9
1280*720	2048	15	182.6
1280*720	2048	10	182.6
1280*720	512	15	45.7
1280*720	512	10	45.7
640*480	6144	15	522.9
640*480	6144	10	522.9
640*480	2048	15	182.6
640*480	2048	10	182.6
640*480	512	15	45.7
640*480	512	10	45.7
320*240	6144	15	423.3
320*240	6144	10	298.8
320*240	2048	15	182.6
320*240	2048	10	182.6
320*240	512	15	45.7
320*240	512	10	45.7

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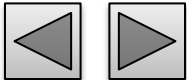
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Storage Requirement Table

MPEG4 Storage Requirement GB / channel / day @ 15fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	133	83	25	8.3
Detailed	58.1	42	17	6.7
Good	42	25	12.5	5
Standard	30	21	8.3	3.4
Medium	25	17	6.7	3

MPEG4 Storage Requirement GB / channel / day @ 10fps

Quality	1280*1024	1280*720	640*480	320*240
Excellent	92	58.1	17	6.7
Detailed	42	30	10	5
Good	30	17	8.3	3.4
Standard	21	12.5	6.7	2.5
Medium	17	10	5	2

MPEG4 Storage Requirement GB / channel / day

Image-Size	Quality Setting	Frame-Rate Setting	Storage Requirement
1280*1024	6144	15	431.6
1280*1024	6144	10	522.9
1280*1024	2048	15	182.6
1280*1024	2048	10	182.6
1280*1024	512	15	45.7
1280*1024	512	10	45.7
1280*720	6144	15	522.9
1280*720	6144	10	522.9
1280*720	2048	15	182.6
1280*720	2048	10	182.6
1280*720	512	15	45.7
1280*720	512	10	45.7
640*480	6144	15	522.9
640*480	6144	10	522.9
640*480	2048	15	182.6
640*480	2048	10	182.6
640*480	512	15	45.7
640*480	512	10	45.7
320*240	6144	15	182.6
320*240	6144	10	149.4
320*240	2048	15	182.6
320*240	2048	10	149.4
320*240	512	15	45.7
320*240	512	10	45.7

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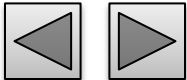
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Storage Requirement Table

H.264 Storage Requirement GB / channel / day @ 30fps

Quality	640*480	320*240
Excellent	21	5
Detailed	10	3.4
Good	5	2.5
Standard	4.2	2.1
Medium	3.4	1.7

H.264 Storage Requirement GB / channel / day @ 15fps

Quality	640*480	320*240
Excellent	12.5	3.4
Detailed	6.7	2.5
Good	3.4	2.1
Standard	2.5	1.7
Medium	2.1	1.3

H.264 Storage Requirement GB / channel / day

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Storage Requirement
640*480	6144	30	6300	522.9
640*480	6144	15	6300	522.9
640*480	2048	30	2200	182.6
640*480	2048	15	2200	182.6
640*480	512	30	550	45.7
640*480	512	15	550	45.7
320*240	6144	30	6300	522.9
320*240	6144	15	5500	456.5
320*240	2048	30	2200	182.6
320*240	2048	15	2200	182.6
320*240	512	30	550	45.7
320*240	512	15	550	45.7

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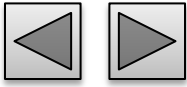
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Storage Requirement Table

MPEG4 Storage Requirement GB / channel / day @ 30fps

Quality	640*480	320*240
Excellent	50	10
Detailed	25	6.7
Good	16.7	5
Standard	12.5	4.2
Medium	10	3.4

MPEG4 Storage Requirement GB / channel / day @ 15fps

Quality	640*480	320*240
Excellent	33.2	6.7
Detailed	16.7	4.2
Good	12.5	3.4
Standard	8.3	2.5
Medium	6.7	1.7

MJPEG Storage Requirement GB / channel / day

Image-Size	Bitrate Setting	Frame-Rate Setting	Current Bitrate	Storage Requirement
640*480	6144	30	6300	522.9
640*480	6144	15	6300	522.9
640*480	2048	30	2200	182.6
640*480	2048	15	2200	182.6
640*480	512	30	550	45.7
640*480	512	15	550	45.7
320*240	6144	30	5100	423.3
320*240	6144	15	2800	232.4
320*240	2048	30	2200	182.6
320*240	2048	15	2200	182.6
320*240	512	30	550	45.7
320*240	512	15	550	45.7

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