

How to Watch Live Video Using iPhone and iPad

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Introduction

iPhone and iPad, smart devices developed by Apple, are the best selling smartphone and tablet PC in the world. More and more applications are finding their way onto this platform, including video surveillance. ACTi provides our customer with a way to view live video from cameras on iPhone and iPad through the built-in browser, without the need to install additional apps. This document contains step by step procedures for you to set up ACTi's camera for live viewing on iPhone and iPad.

Camera Configuration

In order to allow iPhone and iPad to watch live video, some camera's settings need to be adjusted beforehand. Please complete the following steps:

ACM Series

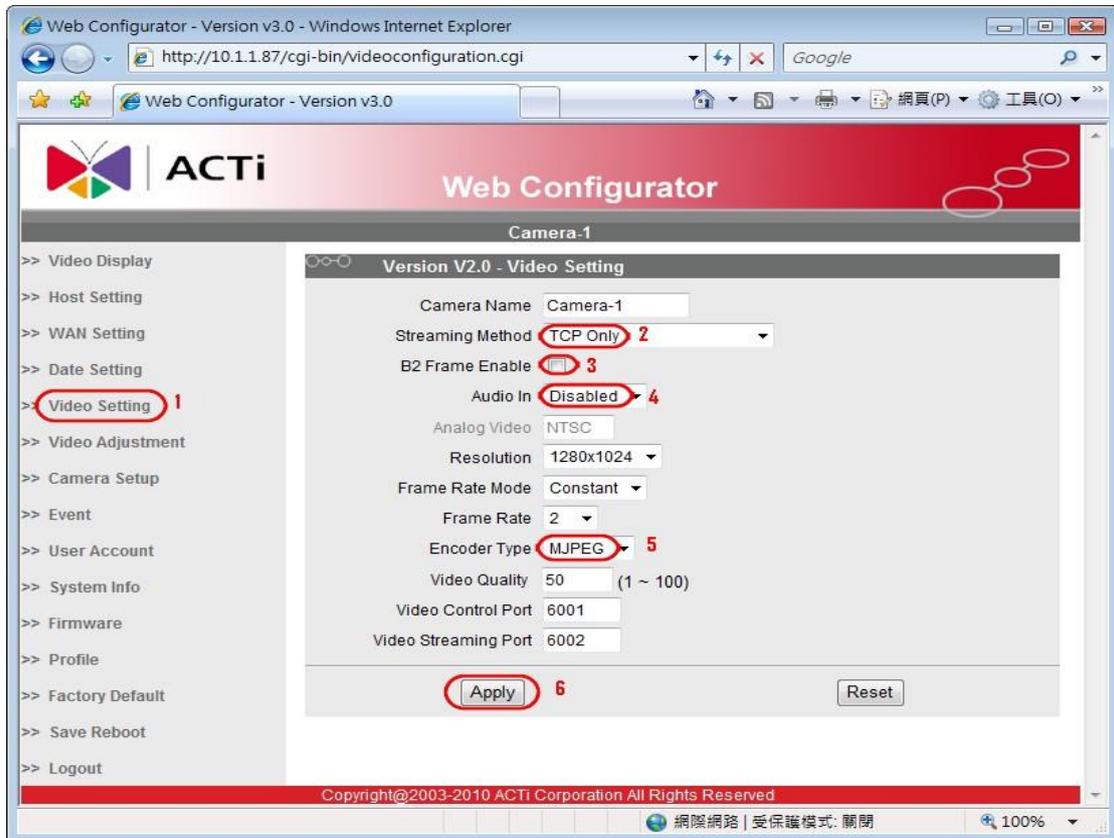
Step 1

Open your web browser and enter camera's IP address to get into Web Configurator. Use your account and password to login. Factory default account / password is Admin / 123456.



Step 2

Go to "Video Setting" Page



Make sure the following settings are correct:

- Streaming method is "TCP Only".
- B2 Frame Enable checkbox is "unchecked".
- Audio In is "Disabled".
- Encoder Type is "MJPEG".

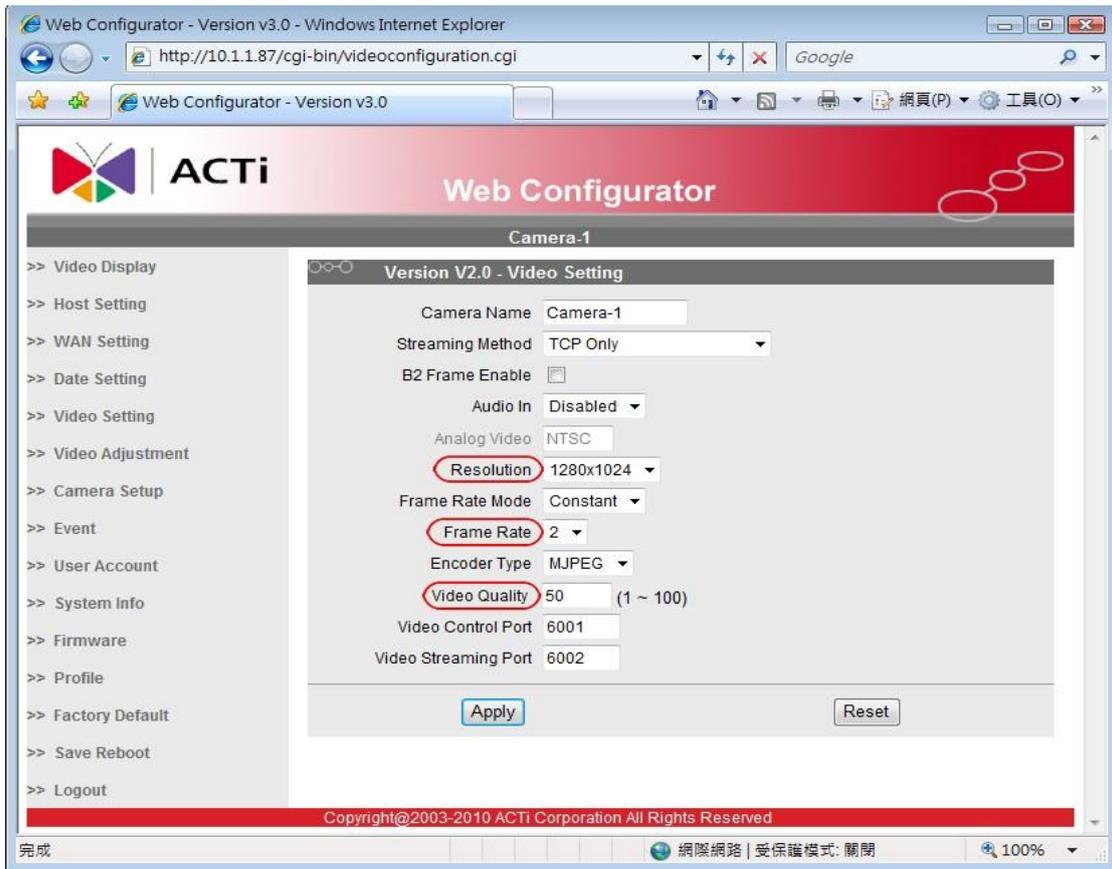
Click "Apply" to save settings to camera.

Step 3

The required bandwidth for MJPEG encoding varies with the amount of info to be sent. This means that the data flow fluctuates from second to second based upon scene changes and system settings. You can adjust the following settings to change your bandwidth requirements:

- Resolution: Higher resolutions provide larger views on iPhone screen but require more bandwidth.
- Frame Rate: Suggested frame rate is 4 Frame per second for Wi-Fi connected LAN, 2 FPS for 3G based cellular internets. You may set this to other values according to your network situation.
- Video Quality: A value of 50 is sufficient in most cases, especially when viewed

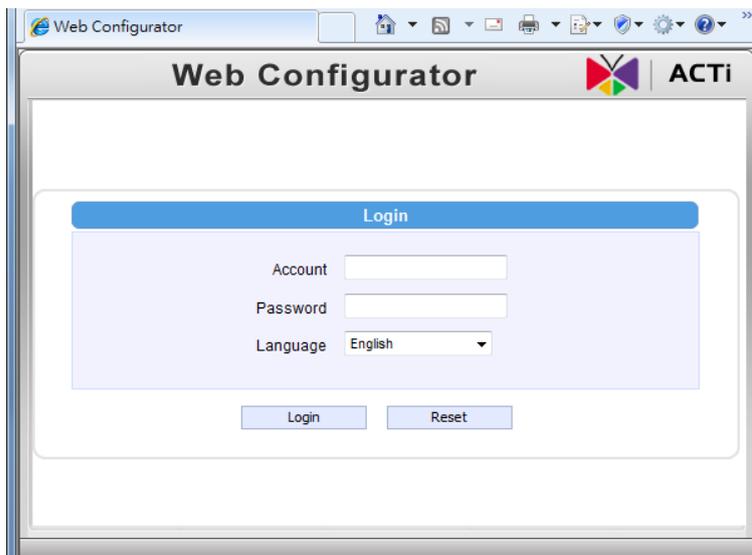
under constrained conditions, like an iPhone screen.



TCM Series (Firmware version is v4.09.17 or later)

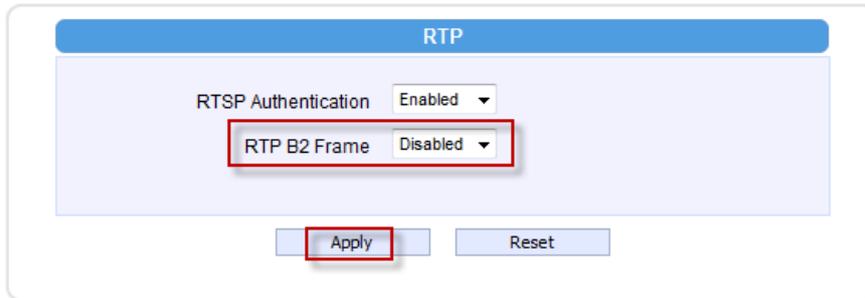
Step 1

Open your web browser and enter camera's IP address to get into Web Configurator. Use your account and password to login. Factory default account / password is Admin / 123456.



Step 2

Go to Setup -> Network -> RTP



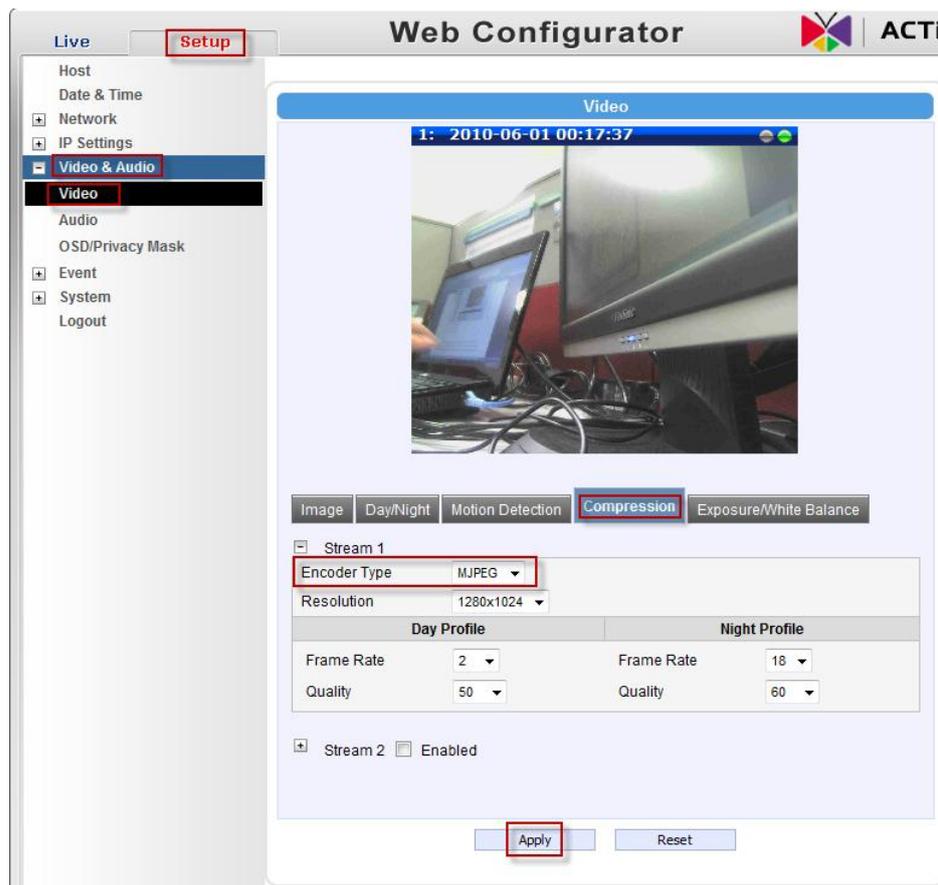
Make sure the following setting is correct:

- RTP B2 Frame is **“Disabled”**.

Click “Apply” to save settings to camera.

Step 3

Go to Setup -> Video & Audio -> Video -> Compression



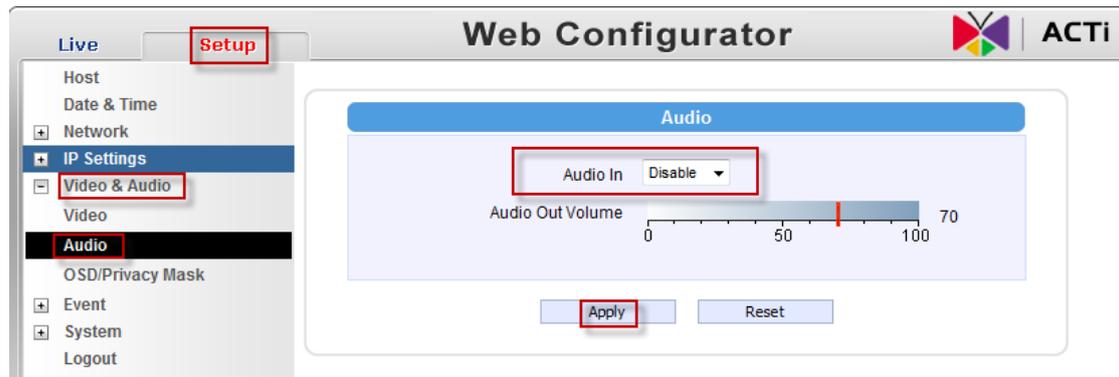
Make sure the following setting is correct:

- Encoder Type is **“MJPEG”**.

Click “Apply” to save settings to camera.

Step 4

Go to Setup -> Video & Audio -> Audio



Make sure the following setting is correct:

- Audio in is “Disable”.

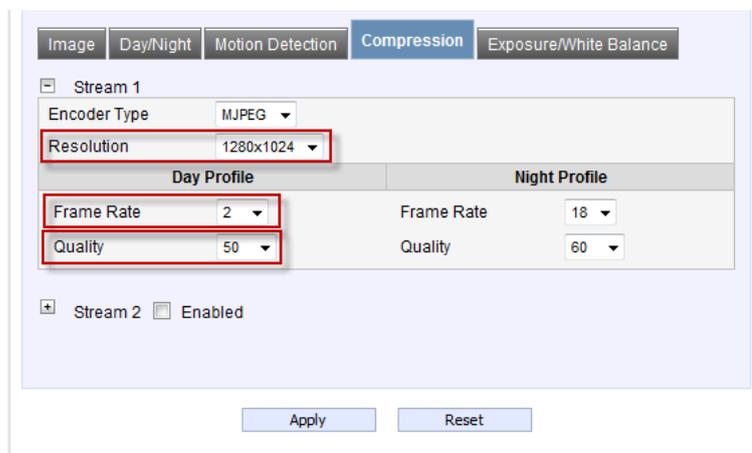
Click “Apply” to save settings to camera.

Step 5

The required bandwidth for MJPEG encoding varies with the amount of info to be sent. This means that the data flow fluctuates from second to second based upon scene changes and system settings. You can adjust the following settings to change your bandwidth requirements:

- Resolution: Higher resolutions provide larger views on iPhone screen but require more bandwidth.
- Frame Rate: Suggested frame rate is 4 Frame per second for Wi-Fi connected LAN, 2 FPS for 3G based cellular internets. You may set this to other values according to your network situation.
- Video Quality: A value of 50 is sufficient in most cases, especially when viewed under constrained conditions, like an iPhone screen.

Setup -> Video & Audio -> Video -> Compression



What is URL command

ACTi provides a special method to let you control camera directly from your web browser. This method is called URL command. This is the format of the specific URL command you should use to access live view:

http://ip:port/cgi-bin/cmd/encoder?GET_STREAM

The actual URL command you should type on your iPhone and iPad will look something like this

http://192.168.0.100:80/cgi-bin/cmd/encoder?GET_STREAM

You should enter this in the address bar of the safari browser to view live images. Please see below sections for actual screenshots.

You must also make sure that the ip address and ports are properly set up and forwarded by the router if you are accessing the camera over the internet.

iPhone and iPad Configuration

There are two ways that iPhone and iPad connect to internet: **Wi-Fi** or **3G** network. You may use either way to connect to ACTi's camera. Please complete the following steps: (iPad uses the same steps with iPhone.)

Step 1

Enable Wi-Fi or 3G network.



Step 2

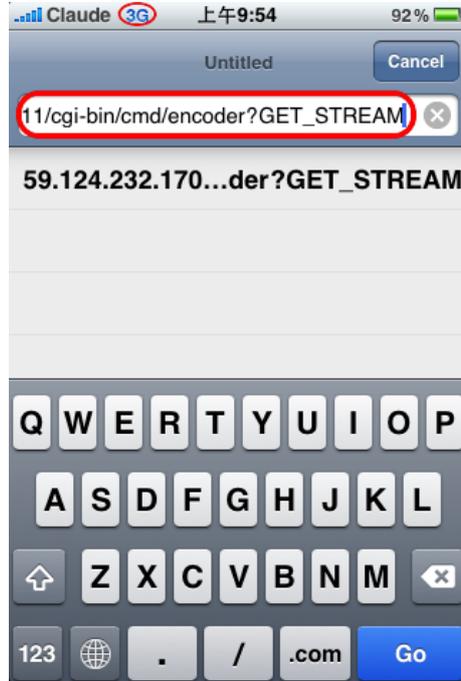
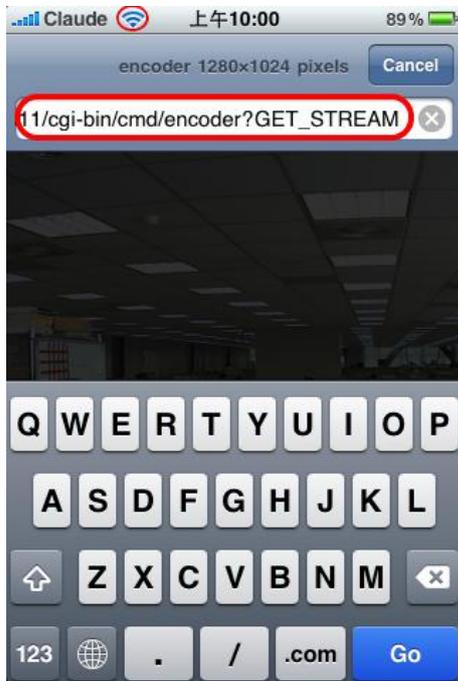
Open Safari browser.



Step 3

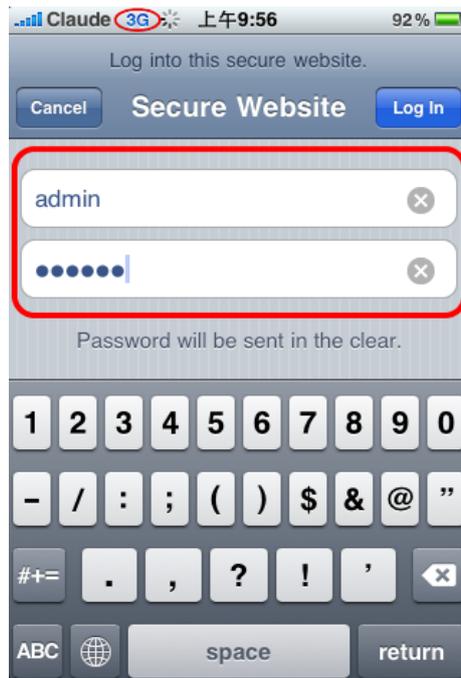
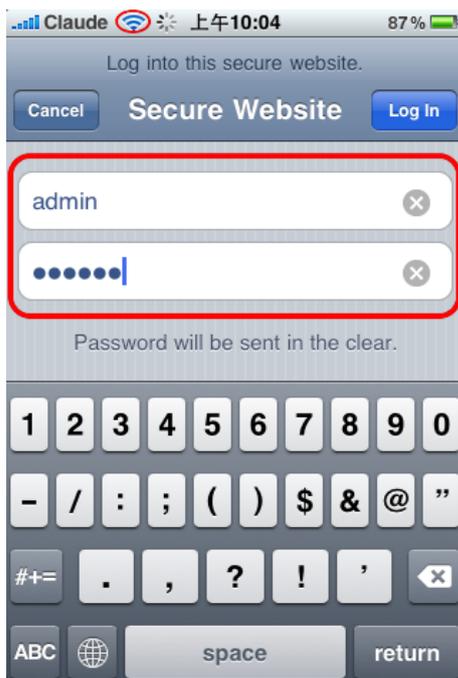
Enter this URL command into the address bar.

http://ip:port/cgi-bin/cmd/encoder?GET_STREAM



Step 4

Once you applied the URL, the login prompt window will be shown. You need to enter the account and password in the window to go further.



Step 5

You can watch the live video on iPhone and iPad either with Wi-Fi or 3G network now.

