

## How to upload customized Web Page of FlexWATCH™ network camera and video server.

This technical note guides you how to upload customized web page of FlexWATCH™ network camera and video server. It is highly recommended to double check your customized web file whether you correctly followed directory protection guide when you customize web page of Flexwatch™ network camera and video server as explained below.

### Notice!

This document is applied for **Firmware and Web Page version 2.0** of FlexWATCH network Camera and Video server. If you have software version below 2.0, please refer to Technical Documentation **FWT-GS027\_Rev 0**.

**Following is Directory protection guideline which must carefully be read before customization of HTML File**

- Maximum (total ) Size of FlexWATCH Web Page files is 1.5 MBYTE.
- Maximum number of files is 400
- Maximum number of directory is 400
- Maximum length of directory and file name is 39 characters.  
EX: The length of “/flexwatch/info/html/img/htitle01.gif” is 37.  
The ‘/’ and ‘.’ is included for the length.
- You should obey this guide line, when you make new web page files.
- If not, your Web page is not updated correctly.
- You should keep below directories and file.

#### In case of version 2.0:

/flexwatch/admin  
/flexwatch/cgi-admin  
/flexwatch/cgi-bin  
/flexwatch/logs  
/flexwatch/s-info.js  
/flexwatch/advance/flex.fws (The root is not important, you can change the root)

- Access permission is controlled using “Admin” page.
- The home page file name MUST be “/flexwatch/index.htm”.
- The file of “flexwatch/advance/flex.fws” is used for loading PlugIn program

#### ➤ Before Update,

you should prepare

- Web Page files ( html files, Java applet files, etc ) that is received from seyeon tech or written by you.
- Serial Cable (Blue Cable Included in the FlexWATCH Products, or RS232C Cross Cable )
- Hyperterminal Application ( Included in Windows, if you don't have it, Add it using Windows Install CD-ROM )

#### ➤ To Download Web Page files written by Seyeon Tech.

- Access the web site <http://www.FlexWATCH.com> or
- Request your dealer the recent Web Page files( maybe compressed zip file ). or
- Request the recent Web Page files to Seyeon Tech Co., Ltd.( [sytech@seyeon.co.kr](mailto:sytech@seyeon.co.kr) )via e-mail , fax, etc.

\* After receiving the appropriate zip file for FlexWATCH™ network camera and video server, and extract that file to proper directory. and then flexwatch directory will be created and subdirectory and files will be created.

#### ➤ Hyperterminal Configuration.

- 38400 bps, 8 bit, None Stop bit, 1 Parity.
- more detail, Please refer to manual

➤ **Update Procedure.**

**WARNING !**

- **During updating FlexWATCH Web page files, do not access the system to see pictures. It may result in unpredicted malfunction of the web.**

1) Connect Serial Cable, and Execute Hyperterminal Windows.

2) When you turn on the system, and meet the prompt, and then type "ls" on the console!( hyperterminal window )  
You will see files described as below.

\$ ls

BITMAP.SYS      FLIST.SYS      SysConfig      flexwatch

3) Clear previous web page of FlexWATCH,

you should erase the directory "flexwatch" which has the current html files in the system by executing "rm -r flexwatch" command on the console( hyperterminal or telnet ).  
It is the main reason for prohibiting the access during the upgrade.

\$ rm -r flexwatch

\* In some situation, several files wouldn't erased and display error message, then please retry "rm -r flexwatch".

- **If you want to upload specific web page files which is customized by yourself simply overwrite that file without deleting "flexwatch".**

5) Upload the new web file(flexwatch) to FlexWATCH using FTP

If ftp is not connected, then please check the network configuration, physical line and HUB, or network setting of PC etc.

- after completing transfer, then if you type "ls -al" command in our system,  
and check the uploaded file size is same as original file size that you received.

**\* Notice !**

**If you use WS\_FTP or some other FTP program which leaves LOG FILE (such as WS\_FTP.log) after uploading the file to the system, You must delete that FTP Log file from the folder.**

5) Type the command "chhtml". Then just wait for completing the command. ( it takes about 10 sec )  
This command write the Web pages moved to FlexWATCH's file system( RAM disk ) to the non volatile memory ( Flash Memory ), so new Web page will be effective even after rebooting or power off and on.

**WARNING !!!, Don't rebooting or Power-off during the this process .**

\$ chhtml

[] Do you really want to update WEB Directory Image ? (y/n) y  
#####

7) Just wait for completing the update, and then the FlexWATCH will reboot automatically  
and the new Web page will be working on it.

**NOTICE !!! :**

**If you are waiting more than several minutes because system is not rebooting automatically, or system display some erroneous message, please try again and if no success, then contact your dealer or seyeon tech.**

FE Code fffffff  
System Initialize...  
Reinitialize ...

```
-----
MODEL   : FlexWATCH-500 ( NTSC )
VERSION : 2.0 (Build:Feb 02 2002)
S/N(MAC) : 00-30-6f-00-xx-xx
-----
```

```
-----
FlexWATCH-500s WEB Ver 2.0 (Build:Jan 30 2002)
-----
```

\$

- 8) check again if Web page file is generated correctly by using "du" or "ftable" commands, after about 10 seconds elapse from the rebooting.

\* after booting, web page saved flash memory is copied to FlexWATCH's file system ( RAM disk ). it takes a few seconds, so if you execute "ftable" or "du" command immediately after rebooting, it may give you incorrect information.

- 9) Connect FlexWATCH by using Web browser, Check if Web Server 's Page and applet etc is working well.

**NOTE**

Following is instruction how to create "webimg.bin" from flexwatch web page, If you customized web page of FlexWATCH and use it for future product upgrade using "webimg.bin" file.

- 1) Upload customized web file to FlexWATCH system using hyperterminal or telnet as instruction in this manual..
- 2) Connect the flexwatch through Hyperterminal or Telnet and go into Text mode(console mode).
- 3) Check out the file name by typing "ls" on the console!( hyperterminal window )  
You will see files described as below.

```
$ ls
```

```
BITMAP.SYS    FLIST.SYS    SysConfig    flexwatch
```

- 4) Clear previous web page of FlexWATCH,

```
$ rm -r flexwatch
```

- 5) Check out whether flexwatch is deleted by typing "ls" command.

```
$ ls
```

```
BITMAP.SYS    FLIST.SYS    SysConfig
```

- 6) Make as webimg.bin by command "makwebimg"

```
$ makwebimg
```

```
[] Do you really want to make WEB Directory Image ? (y/n)y
"webimg.bin" file making succeed !!!
```

```
$
```

- 7) Check out whether "webimg.bin" file was correctly created by typing "ls" command

\$ ls

BITMAP.SYS      FLIST.SYS      **webimg.bin**

7) Download newly created '**webimg.bin**' using FTP and save it in a directory for future use.  
If ftp is not connected, then please check the network configuration, physical line and HUB, or network setting of PC etc.

- If you have the application like as WS\_FTP Pro , cute ftp, etc.  
just move the new web file to the system

- If you do not have that kind of utility, just type ftp command on Dos Command Window and follow the procedure described as below

ex. C:\> ftp [10.10.10.10](http://10.10.10.10)   
and type login id as " root", and proper password ( default password is also "root" )

```
ftp> binary   
ftp> hash   
ftp> get webimg.bin   
ftp> bye 
```

- check if there is error occurred during the transfer  
- after completing transfer, then if you type "ls -al" command in our system,  
and check the uploaded file size is same as original file size that you received.