

SECUMERA

TV-UCS2

USB Digital PC Camera

Security/Monitoring PC Camera(USB)

Monitoring abilities from any location

High-resolution image with 350,000 pixels and image sensor

Simple image capture by snap shot function

Automatic exposure and white balance adjustment

High speed Image transmit

Various applications for security or monitoring

NOTICES TO USER

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.

FCC WARNING

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

INFORMATION TO THE USER

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can generate 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 the 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:

- Reorient or relocate the receiving antenna.*
- Increase the separation between the equipment and receiver.*
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.*
- Consult the dealer for technical assistance.*

" Shielded interface cable must be used to ensure product compliance "

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1. Product Specifications and Features

1) Product Features

- Monitoring abilities from any location
- High resolution image with 350,000 pixels and image sensor
- Simple image capture by snap shot function
- Automatic exposure and white balance adjustment
- High speed Image transmit
- Various application for security or monitoring

2) Product Specifications

Optical elements	:	350,000 pixels $\frac{1}{4}$ " CCD image sensor
Lens	:	F1.5
Focus	:	6.0 mm
Exposure	:	Automatic
White balance	:	Automatic
Electricity consumption	:	1.3W
Output method	:	USB
Weight	:	256 g (with 5m cable)
Dimension	:	69.5 x 71.2 x 36.0 mm
Frame speed	:	
USB Camera Mode	:	VGA(640x480) 15 frames/sec CIF(320x240) 30 frames/sec QCIF(160x120) 30 frames/sec
SECUMERA Mode	:	CIF(320x240) 6.25 frames/sec
Client View Mode	:	CIF(320x240) 2 frames/sec

2. Software Included and System Requirements

Software Included:

- Windows 98/2000 Driver
- Apache Web Server Program
- Homepage File
- SECUMERA Server Program

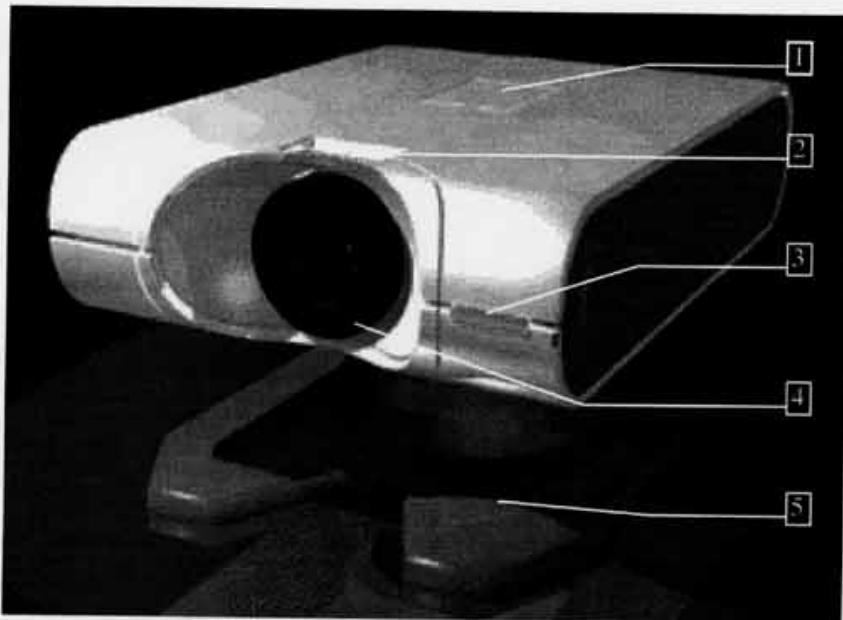
Package Included:

- TV-UCS2 PC Camera and USB cable
- Installation and User's Guide
- Software CD
- Monopod (for fixing camera)
- Option: 5 m extension cable, 30 m extension cable

System Requirements:

- Pentium processor MMX 233 MHz or over
- USB port
- Minimum 64 MB memory
- CD-ROM Drive
- VGA graphic adapter with 16 bits, 640x480 resolution
- Internet connection (LAN or Modem)

3. USB Camera Specification



- 1) Snap shot : Press the button to capture an image and save it to your hard disk.
- 2) Focus volume : Use this to focus the lens.
- 3) Indicator : You'll see a red light when camera is running.
- 4) Lens
- 5) Base

4. TechnoVision SECUMERA Installation Guide

Insert the program CD in the CD-ROM Drive and you'll see the dialog box below.



First, click on “SECUMERA Driver Setup”, and driver setup will begin. This setup program will automatically detect your system and automatically install the driver to your computer. For further information, check “Chapter 5 SECUMERA Driver Installation”

Click on “Apache Web Server Program Setup” to automatically setup your system as Web server. For further information, check “Chapter 6 – Apache Web Server Program Installation”

Click on “Apache Configuration File Setup” to automatically change apache configuration file. For further information, check “Chapter 6 – Apache Web Server Program Installation”

Click on “Homepage Files Setup” to copy homepage files to your hard drive in order to watch camera images from other computers not

in the area. This process will create C:\security\homepage folder to your hard disk, then all the files will be copied to this folder. For further information, please refer to "Chapter 7 – Homepage File Installation".

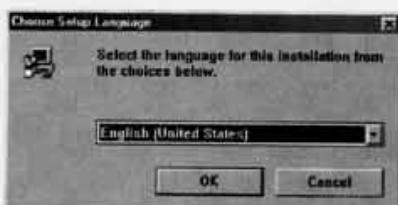
Click on "SECUMERA Server Program Setup" to setup a server to watch images using a camera. For further information, please refer to "Chapter 8 – SECUMERA Server Program".

Click "Exit" when you're done.

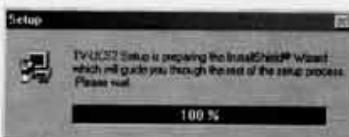
5. SECUMERA Driver Installation

1) Windows 98/SE/ME driver installation

Insert the program CD and click “SECUMERA Driver Setup” (USB port installation will begin when you have finished installing the USB driver.)



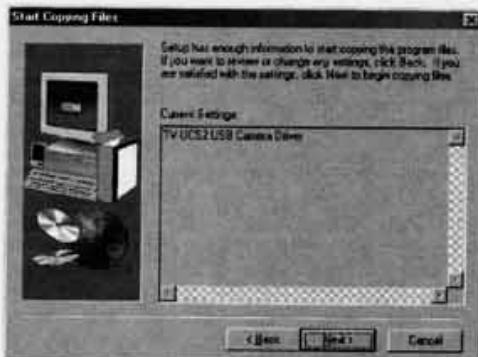
Select “Korean” or “English” then click “OK”.



This dialog box indicates that USB driver setup has began



Click “Next”



Click "Next"



Click "Finish" to complete the setup.

The Techno Vision USB camera Driver installation is complete.

As soon as you plug your camera to the USB port, your computer will automatically detect your USB camera.

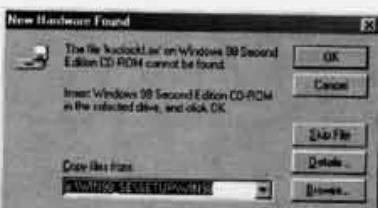


You will see this dialog box when you first install the USB camera.



Insert Windows 98 CD into the CD-ROM drive, then it will automatically install the driver. However, if driver files can't be found in your Windows 98 CD, you will see a dialog box below. Browse and select the driver location manually, then it will automatically install the driver.

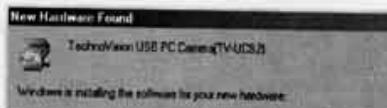
Ex)



Click on "Browse..." to search for the folder.

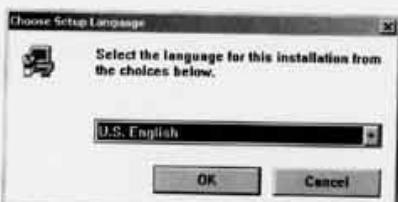


Click on "OK" to automatically install the driver.

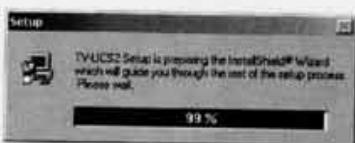


2) Windows 2000 Driver Installation

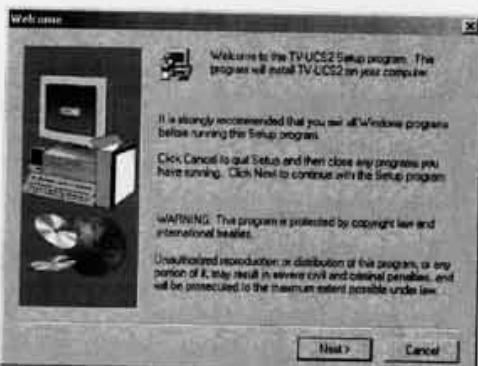
Insert the program CD into the CD-ROM drive, and then click “SECUMERA Driver Setup”.
(USB port installation will begin when you have finished installing the USB driver.)



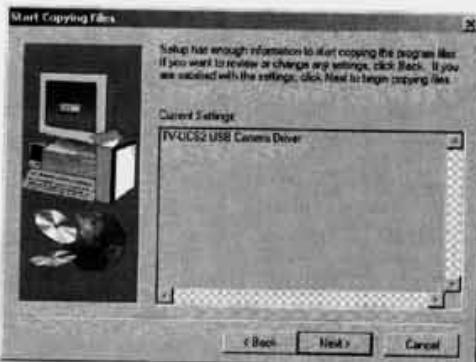
Select “Korean” or “English”, and then click “OK”.



This dialog box indicates that the USB driver installation is processing.



Click “Next”.



Click "Next".

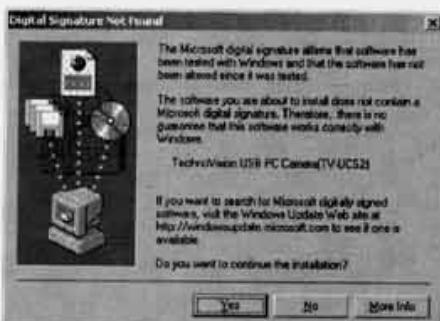


Click "Finish" to complete the setup

Plug your camera to the USB port and your computer will automatically detect your USB camera.



Click "Yes" as seen below.

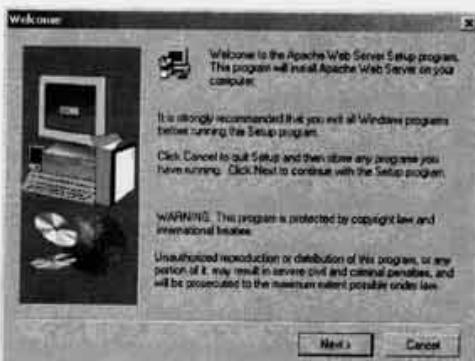


The Techno Vision USB camera Driver installation is complete.

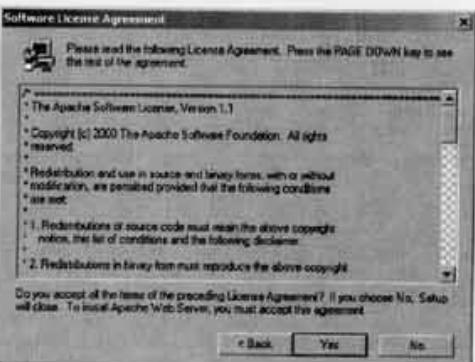
6. Apache Web Server Program Installation

In order to log on to your own website through Internet, you need to install a web server software to make your computer function as a server. To make a certain window function as the server, you need to install the Apache web server program. Follow the instructions below to install the Apache server program.

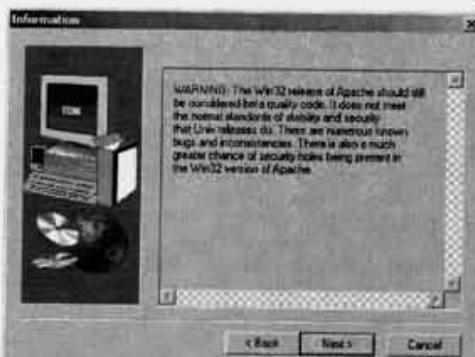
Insert your CD and click on “Apache WEB Server Program Setup”



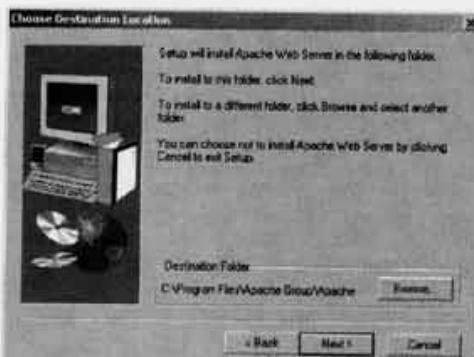
Click “Next”



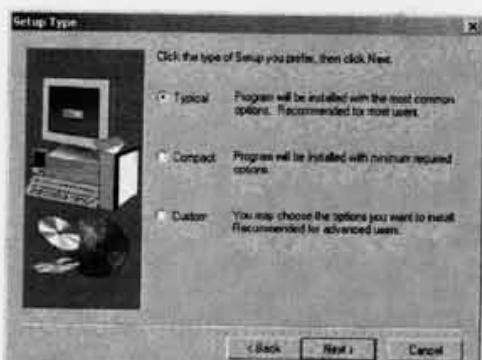
Read this license agreement, then click “Yes”.



Click "Next"



Click "Next"

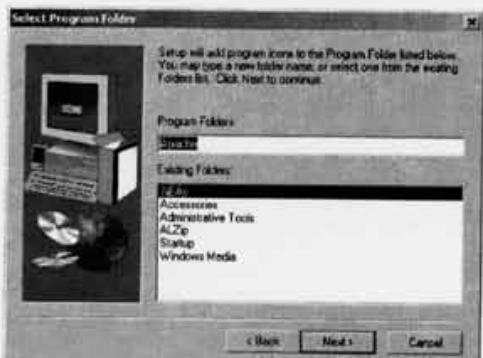


The "Typical" option will install everything except the source codes.

The "Compact" option will install everything except the source codes and manual.

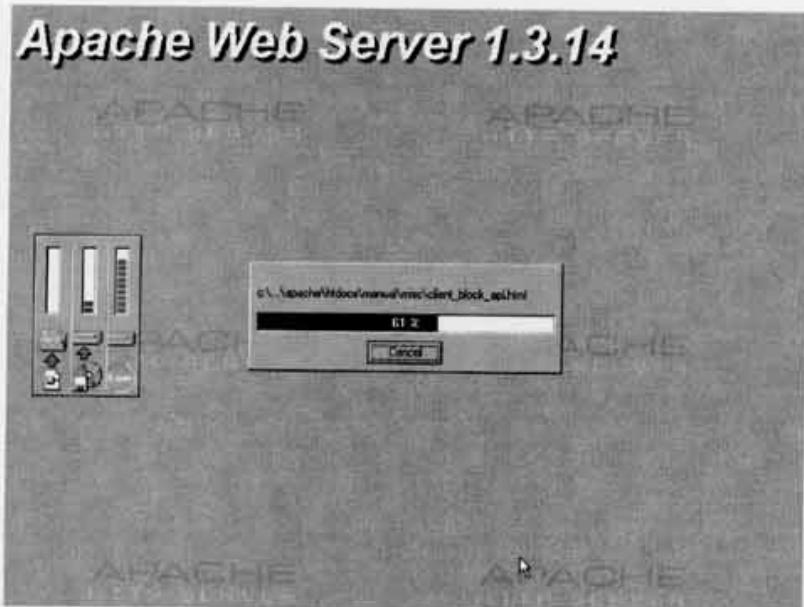
The "Custom" option will install everything including the source codes and manual. For normal setting, select "Typical" option, then click "Next."

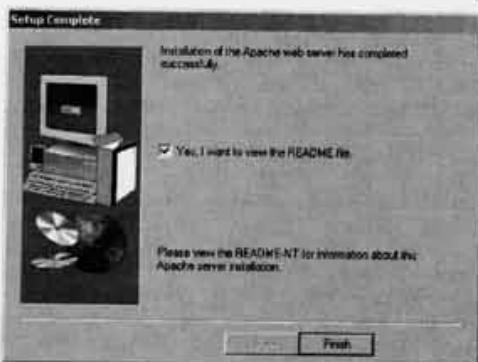
setting, select "Typical" option, then click "Next."



Click "Next"

The next procedure will automatically run.





Click "Finish" to complete the installation procedure.

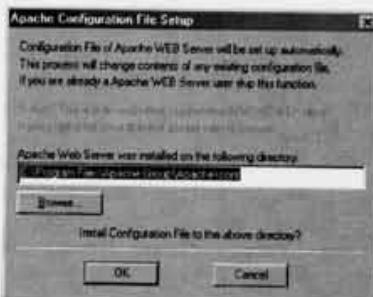
After you have finished installing the Apache web server program, you need to configure it to the right setting.

Apache Configuration Setup

You are provided two ways to set Apache Configuration. You can use automatically setup; you can find and edit configuration file manually. Beginner for Apache web server program is recommended to use automatically setup.

1) Automatically Setup (read warning certainly before execute)

Click on "Apache Configuration File Setup", you will see dialog box below

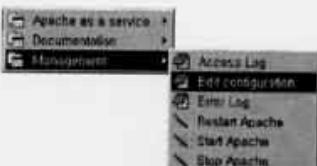


Click on "Browse ..." If you want to change Apache web server program installed directory, but Click on "OK" if you don't.

(Warning) Use following “Manually Setup” if you installed Apache web server program to other drives not C:\.

2) Manually Setup

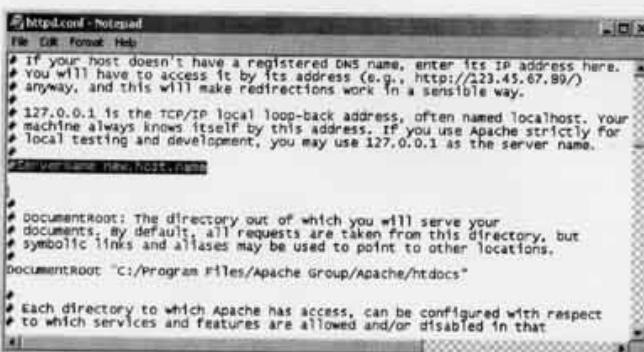
Click [Start], [Program], [Apache Web Server], [Management] and [Edit configuration].



Next, you will see a notepad with C:\Program Files\Apache Group\Apache\conf\httpd.conf file. (You can also find the file from C:\Program Files\Apache Group\Apache\conf\httpd.conf instead of following the procedures above.)

Find the following line in Notepad

```
#ServerName new.host.name
```

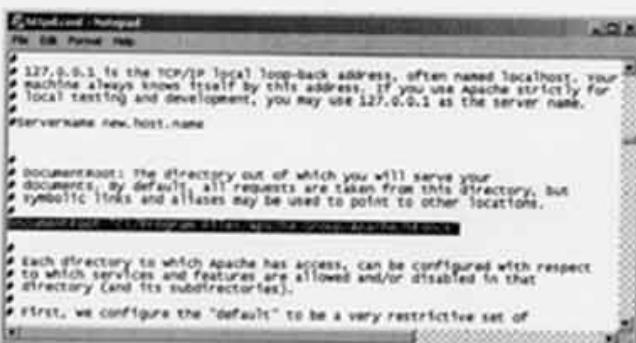


Remove the # sign to make the line below:

ServerName new.host.name

Find the following line in notepad. (If you have installed Apache Program to hard disk D:\, directory of configuration file will be D:\.)

DocumentRoot "C:/Program Files/Apache Group/Apache/htdocs"

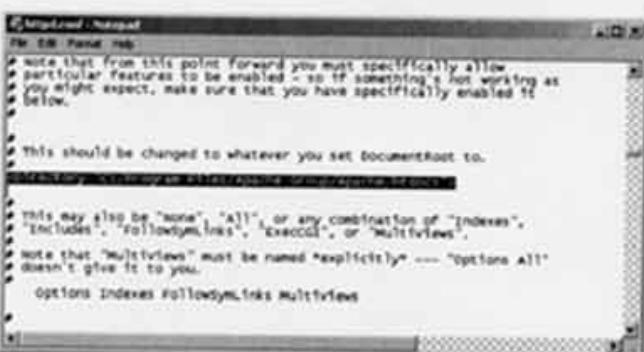


Change the line above to line below:

DocumentRoot "C:/security/homepage"

Find following line in notepad

<Directory "C:/Program Files/Apache Group/Apache/htdocs">

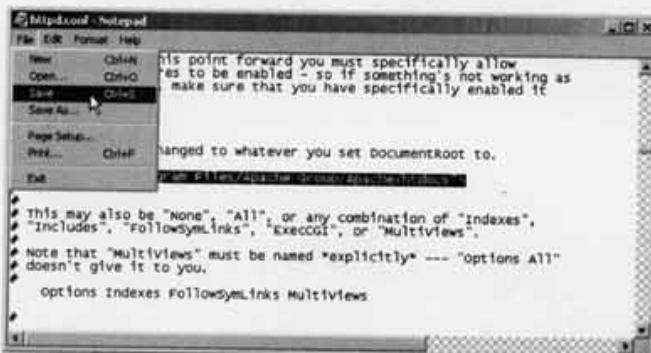


Change the line above to the line below:

<Directory "C:/security/homepage">

Refer to "Chapter 10 SECUMERA Server Program" for further information on "C:/security/homepage" directory. This directory must be the same as the Homepage directory in the "Option" item of the settings menu in SECUMERA server program.

To save all settings, click "File" and "Save".



Click on X button located at the upper right hand side to end notepad.

If you edit configuration file as long as Apache web sever program is running, you must restart Apache web server program in order to apply configuration.