User's Manual

Federal Communications Commission (FCC) Statement

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 radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Re-orient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from

  which the receiver is connected to.

- Consult the dealer or an experienced radio/TV technician for help.

Warning :

Use only shielded signal cables to connect I/O devices to this equipment.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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GETTING STARTED

Check the package content before getting started.
For Quick Installation please refer to Quick Installation Guide. (Ref. Pg. 3~7)

💡 **Important! Save the original box, receipt and packing material for possible shipping needs.**

Package Contents

· Slide Scanner.

· Magazine (Straight Type).

· Power Adapter [HIGH POWER：HPA-401234U3 or LINEARITY：LAD6019AB4]
  Warning! Using any other power adapter may severely damage the scanner and will void the product warranty.

· **Power Code**.

· USB 2.0 Cable.

· IEEE 1394 Cable.

· CyberView X -MS Driver. (MS stands for Multiple Slide capability)

· TWAIN or Plug-In compliant application software CD.

· Printed User's Manual.

REMARKS :
1. The model implented with Digital ICE^3™ TECHNOLOGY please refer to Digital ICE^{3TM} user's guide.
2. TWAIN or Plug-In compliant application software means the imaging software such as Photoshop Elements, this is subject to change without notice.

Operating Ambient Temperature Range **50⁰ to 104⁰F (10⁰ to 40⁰C)**

Note   Do not turn on the scanner unless it is within this range.
            If the scanner has been stored or transported outside
            of this range, allow it to return to within this range
            before turning it on.

Operating Ambient Humidity Range **15% to 76% relative humidity (non-condensing)**

Note   If the scanner is stored or to be transported in cold
            temperature and then brought into a warm / humid
            environment condensation may occur.

QUICK INSTALLATION GUIDE (QIG)

TO INSTALL SOFTWARE AND DRIVER… (For PC User)

IF WINDOWS XP IS INSTALLED ON YOUR SYSTEM DURING DRIVER INSTALLATION A LOGO TESTING DIALOGUE BOX MAY APPEAR, IF THIS IS THE CASE PLEASE SELECT **"CONTINUE ANYWAY"**.
Be sure to install the Application Software **BEFORE** installing the scanner driver CyberViewX –MS.
You may install the scanner driver directly if you have already installed TWAIN compliant application software in your computer.

a. Place the TWAIN or Plug-In compliant application software CD into CD-ROM. If you have CD autoplay switched off on the CD drive then you will need to explore the CD and double click the file "AutoPlay.exe" and follow the on-screen instructions to complete the installation.

b. Place the CyberView X - MS CD PC revision into CD-ROM which will autoplay. If you have autoplay switched off on the CD drive then you will need to explore the CD and double click the file "LAUNCH.EXE". Click the "CyberView X" and follow the on-screen instructions to complete the installation.

Notice   If you are Win XP users, please DO NOT eject the CyberView X - MS CD after rebooting. After rebooting, connect the scanner with PC computer and turn on the power of scanner. Windows XP will detect USB or IEEE 1394 hardware then search for the driver on the CD

1. In "Found New Hardware Wizard" window, select "Install the software automatically (Recommended) and click "Next".
2. In "Completing the Found New Hardware Wizard" window, click "Finish", then eject the CD.

TO INSTALL SOFTWARE AND DRIVER… (For MAC User)

MAC user before Installing the Scanner Driver…
Be sure to install Application Software (ex: Adobe Photoshop Elements) BEFORE installing the scanner driver CyberView X - MS.

a. Place the TWAIN or Plug-In compliant application software into CD-ROM and double click it to install the program then eject the CD.

b. Place the CyberView X - MS CD MAC revision into CD-ROM and "CyberView X - MS" CD icon will display on the desktop.

c. Double click "CyberView X - MS" icon.

d. Double click "CyberView X MS installer" folder to install the driver.

The Memory Setting for MAC User

1. Click the application software in "Application" folder such as Adobe Photoshop or Photoshop Elements and press "Apple" + "I" to pop-up the memory setting window.
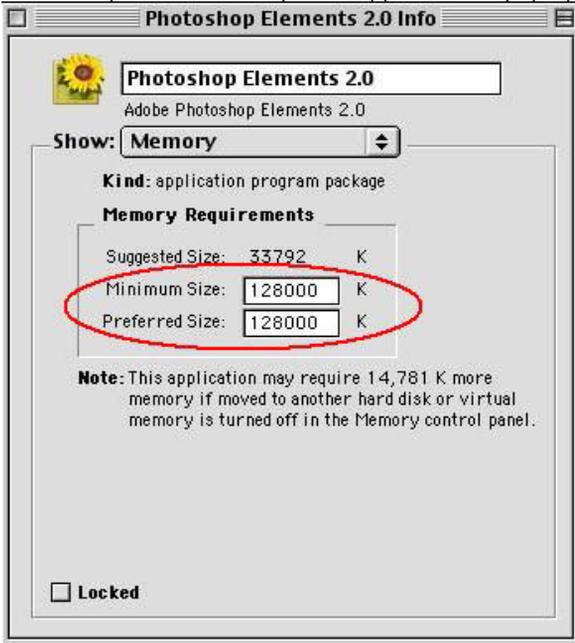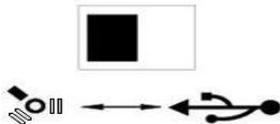
2. To modify the "Minimum Size" greater than 128000K then close the window.

TO INSTALL HARDWARE…

a. Connect the slide scanner

　1. Please check the USB / IEEE 1394 switch on back panel.
　　Switch to symbol ⚡ for IEEE1394 interface or symbol ⚡ for USB interface.

　2. To a power source
　　Make sure scanner is TURNED OFF.
　　Plug the AC adapter in AC power source FIRST before plugging into the scanner.

3. To an USB or IEEE 1394 port
   Attach one end of USB or IEEE 1394 cable to computer.
   Attach another end of cable to back panel of scanner.

b. Put the slide(s) into magazine

   1. Turn the magazine as illustrated with the embossed letters "COMPACT MAGAZINE 50" on top and the white strip on the right.

   2. Hold the slide right side up facing forward you, rotate the slide as illustrated and Insert it one by one into the magazine.

   Warning : Please load slides into the magazine properly and make sure the slide mounts are in good condition. Improperly inserted slide or slide with distorted/damaged slide mount may cause serious jam which may damage both the slide and the scanner.


Embossed Letters
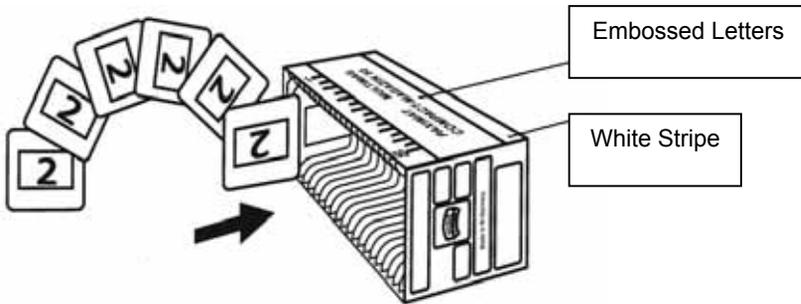
White Stripe

c. Load the magazine into the scanner
   1. Load the magazine into the scanner as illustrated (with the embossed letters facing up and the white stripe near the front panel of the scanner).

Front Panel

Embossed Letters

White Strip
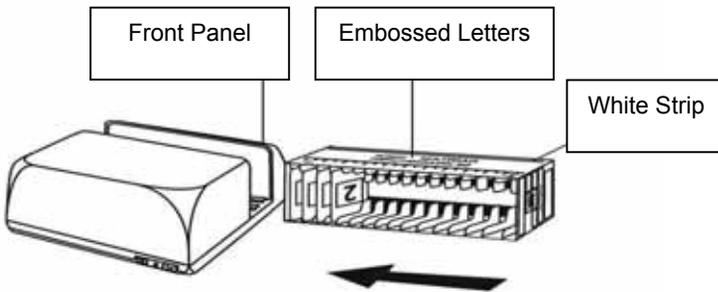
   2. Push the slide transport arm 【2-1】 fully into unit and load the magazines into the scanner until it touches the slide transport arm 【2-2】 .

Slide Transport Arm

Slide Transport Arm

【2-1】   【2-2】
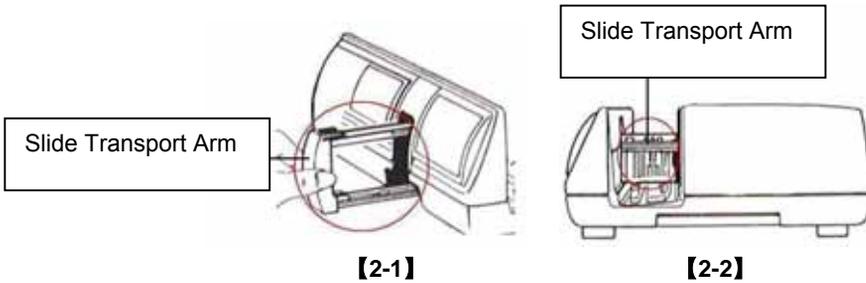
d. Power on the scanner calibration will begin and the slide transport arm will move in and out of the scanner. MAKE SURE THERE IS ENOUGH ROOM IN FRONT OF THE SCANNER FOR THE SLIDE TRANSPORT ARM TO EXTEND FULLY, DO NOT PUSH THE ARM BACK DURING CALIBRATION.

e. Additional features

1. Manual Control Panel

You can advance or reverse the slide by pressing the navigation button (◀or➡)

and scan manually with the scan button (●) to enable one button scan function.

Navigation and Scan Buttons
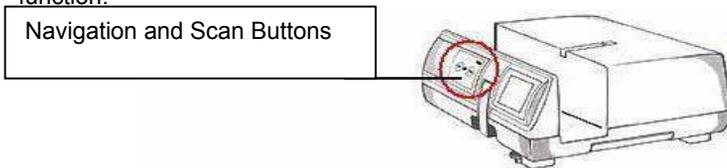
Please Note:
When installing your new scanner onto a Windows XP/2000 system that already has another USB Flatbed scanner or All-in-one Scan/Copier/Printer device installed, it may be necessary for you to disconnect the other Flatbed scanner from the USB port for the Film scanner to work properly, as stated on the Microsoft website.
Knowledgebase article # 324756

※ **One Button Scan…**
Open the CyberView X – MS driver program FIRST and press the scan button to scan the film or slide, there are 2 way to open the CyberView X–MS:

1. Open the imaging application software such as Photoshop Elements or Album and acquire the CyberView X-MS. (Ref. Pg.7 to acquire the CyberView X-MS driver program)

1-1. Select the film type and resolution.

1-2.Press the scan button （●） and scanner will automatically pop up a setting window as below.

> 1-2-1. If select "To Host" , the scanner will scan the slide and send to the application software which you open.

> 1-2-2.If select "To File" , the scanner will scan the slide and save to the path that you set.

1-3. Press the scanner button (●) until you are requested to input the amout that you want to scan to file then release, then push the "OK" to next setting window on the screen.

> 1-3-1.If select "To Host" , the scanner will scan the slide and send to the application software which you open.

> 1-3-2. If select "To File" , the scanner will scan the slide and save to the path that you set.

2. Select "Start > Programs > CyberView X_MS" and select "CyberView X" to open the CyberView X application loader.

    2-1. Select the film type and resolution you want to scan.

    2.2.1. Press the scan button and it will pop-up the "Save To Files" setting window. Input the save path, file name and file type. (Ref. Pg.11 to change the setting)

    2.2.2. After setting, click "OK" to scan the image to file.

    2.3.1. Press the scan button until you are requested to input the amout that you want to scan to file then release, then push the "OK" to next setting window.
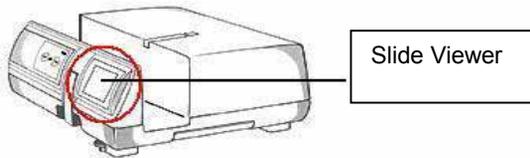
    2.3.2.It will pop up a "Save To Files" setting window. Input the save path, file name and file type. (Ref. Pg.11 to change the setting)

    2.3.3. After setting, click "OK" to scan the image to file.

> **NOTE: If you do not open CyberViewX – MS FIRST, the scan button will not function.**

3. Slide Viewer
   Insert the slide into the slide viewer for previewing. The scanner has to be switched on.

Slide Viewer

4. Single Slide Scanning

▪ Load the empty magazine into tunnel FIRST until it touches the slide transport arm completely then go one step forward to be sure that the transport arm is in the first cabin of the magazin.

▪ Press the eject button【3-1】then slide holder will lift-up.

▪ Place the slide as illustrated【3-1】into the slide holder and press the slide holder down【3-2】.

▪ Open the CyberView X – MS driver program to scan the slide.

Attention! When using the single slide scanning function, please check the slide transport arm has been moved completely into the unit and the cover for magazine tunnel is taken off.

Slide Holder

Eject Button

【3-1】   【3-2】
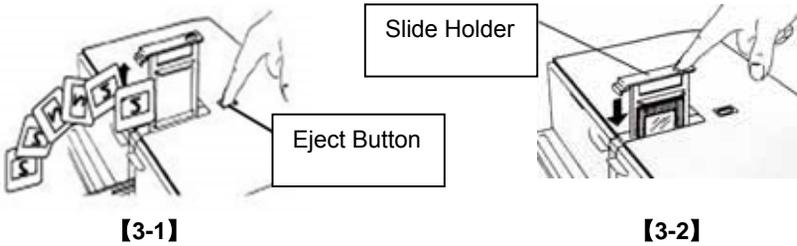
Start To Scan…

STEP 1 – Acquire Driver*(For PC and MAC User)*
Open TWAIN compliant application software. Select "File→ Import" then choose
"CyberViewX - MS..." to acquire the TWAIN driver.
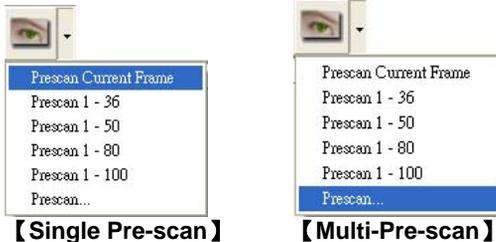
STEP 2 – Scan Setting...
Select the film type.

EX：If the film is Positive, then select Positive ＞ Generic ＞ Generic Positive.

	Generic Positive
	Positive

Negative ▶		
Positive ▶	Generic ▶	Generic Positive 2
B&W ▶		✓ Generic Positive
		Raw Image
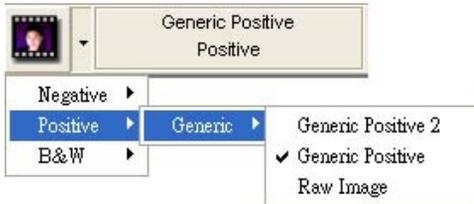
STEP 3 – Pre-scanning...
Select the "Prescan Current Frame" to pre-scan the slide loaded into the scanner or
"Prescan..." to pre-scan slide or slides at specific positions.

Prescan Current Frame
Prescan 1 - 36
Prescan 1 - 50
Prescan 1 - 80
Prescan 1 - 100
Prescan...

Single Pre-scan

Prescan Current Frame
Prescan 1 - 36
Prescan 1 - 50
Prescan 1 - 80
Prescan 1 - 100
Prescan...

Multi-Pre-scan

STEP 4 – To Set Desired Resolution…
Setup the resolution of scanning image, the default scanning resolution is 1800dpi.

Notice：The higher resolution you set the more scanning time is needed and larger
hardisk space required.

Ex：The color image file size for one side with different resolution:

Scanning Resolution	Color Mode	File Size (w/o compression)
300dpi	24 bit	About 350KB
600dpi	24 bit	About 1 MB
1800dpi	24 bit	About 11 MB
3600dpi	24 bit	About 52 MB
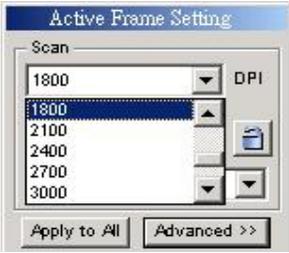
【**Choose the resolution**】

STEP 5 – To Scan

Choose "Scan Current Frame" to scan the slide loaded into the scanner or "Multi-Scan…" to input the number how many slides you want to scan in the magazine.

【**Single Scan**】   【**Multi-Scan**】

STEP 6 – Exit

After scanning, all of the images will be transfer to the application software (ex：Adobe Photoshop Elements), click the "X" on the upper-right hand corner of the window or "**Scan ＞** Exit" to close the driver. You can then edit, save and print the scanned images from the application.

There is a message pop-up "Would you like to apply current scan resolution to default?" click "Yes" to save , "No" to discard the current setting or "Cancel" to return Cyber View X.
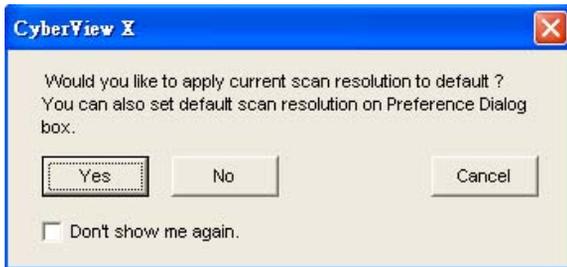
E
N
G
L
I
S
H
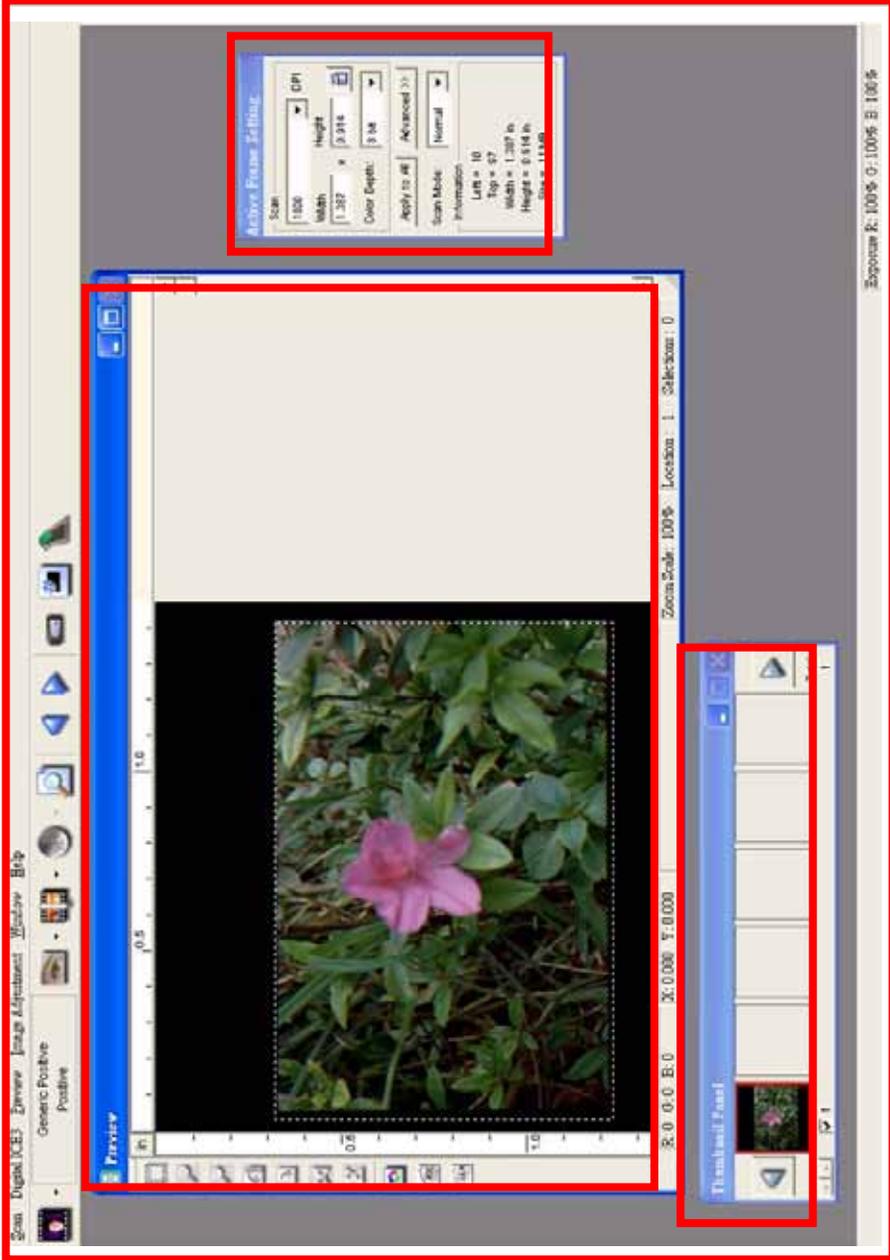
Description of CyberView - MS

There are four major parts of CyberView X user interface

Ⅰ、 **Main Window Area【Fixed Windows】**

◆ **Menu Command**

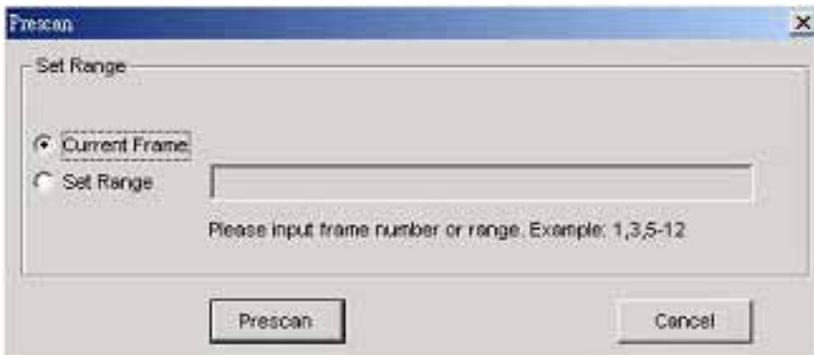**Scan**

1. Prescan
    Prescan Current Frame   Pre-scan the existing slide.
    Prescan 1 – 36 (1 - 50 , 1 - 80 , 1 - 100) : Pre-scan the 1-36(50 , 80 , 100) frame.
    Prescan…   Pre-scan the current slide or designate frame(s) you input,
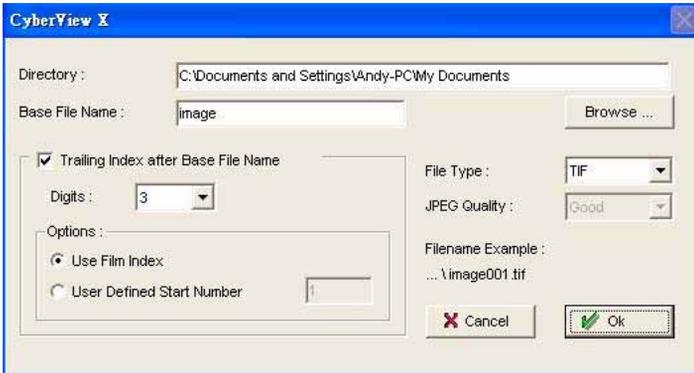   to separate by comma symbol.

2. Scan
    Scan Current Frame   Scan the current slide.
    Scan Selected Frames   Scan the slide(s) you selected.
    Multi-Scan…   Scan the slide(s) which you input the number.
    Scan Current Frame to File...   Scan the existing slide to a file and set the file path,
file name, Index,start number ,file type and jpeg quality, then click "OK".

i. Select Browse and choose the designated folder you wish to save the scanned image to.

ii. Enter the file name.

iii. Trailing Index after Base File Name

  -Digits: user can adjust the digits to define the length of the file name and can it carry up to 6 digits at most)

  -Options:

    use Film Index: Automatically accumulate the number and the default number is 1
    user Defined Start Number: user can change the default number

iv. Choose the file type to "TIF" or "JPG".

v. Choose image quality in JPEG file. (Good, Better, or Best)

3. Revert   Discard all modifications and restores the image back to the original
             state in preview windows.


4. Preference…   Attribute setting windows.
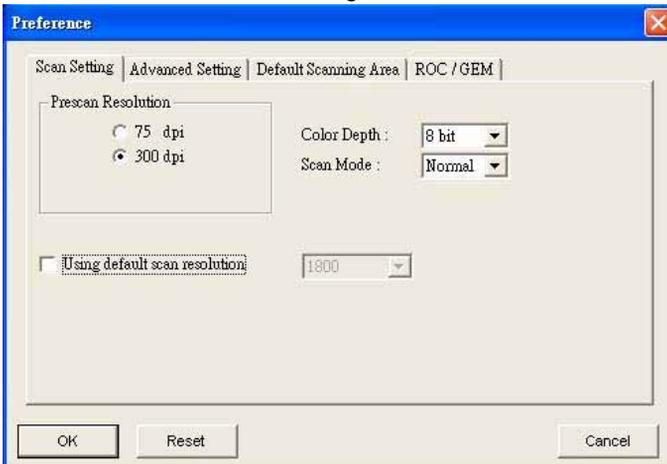
i. "Prescan Resolution" - To set the default per pre-scan resolution.

ii. "Using default real scan resolution" - Click to select the default scan resolution.

iii. "Color Depth" – To set the default color depth while scanning.

iv. "Scan Mode" – To set the default scan mode while scanning.
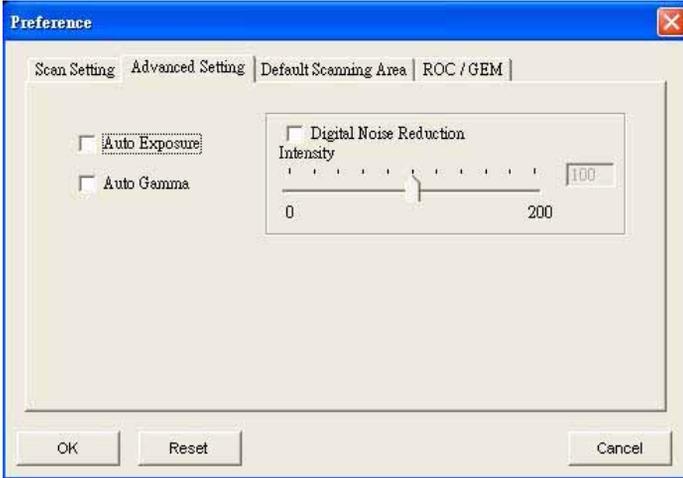
i. "Auto Exposure" - Click to apply Auto Exposure to all of the scanned films.

ii. "Auto Gamma" - Click to apply Auto Gamma to all of the scanned films.

iii. "Digital Noise Reduction" – Click to apply Digital Noise Redution to all of the scanned **films.**
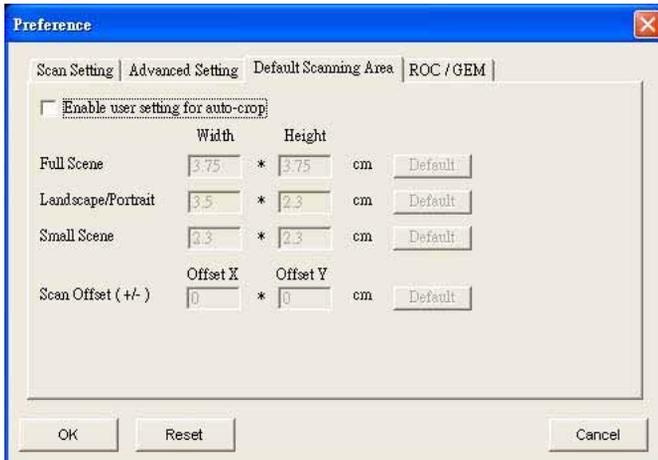
To set the scanning area of scene, there are 3 type of scene including "Full Scene", "Landscape/Portrait" and "Small Scene", you can adjust the scanning area setting of slide size or click "Default" to standard setting. Adjust the "Scan Offset" setting to move the image position of slide.
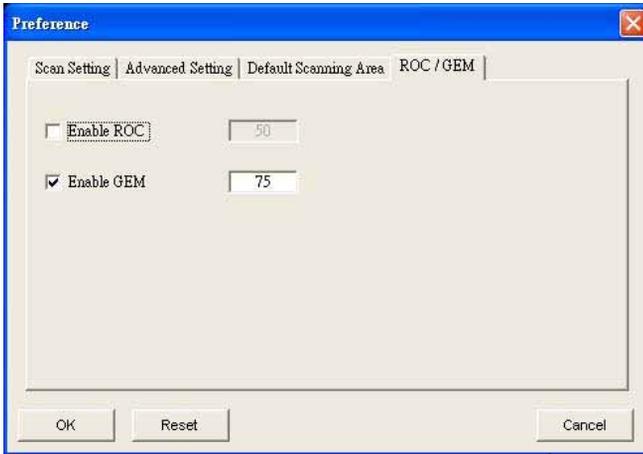
(ONLY AVAILABLE ON UNITS WITH DIGITAL ICE³™ TECHNOLOGY BUILT IN.)
i. Enable / disable "Enable ROC" to start or close the ROC function default while scanning.
ii. Enable / disable the "Enable GEM" to start or close the GEM function default while scanning.

5. Exit： Closes the CyberView X - MS user interface.

> There is a message pop-up "Would you like to apply current scan resolution to default?" click "Yes" to save , "No" to discard the current setting or "Cancel" to return to Cyber View X.
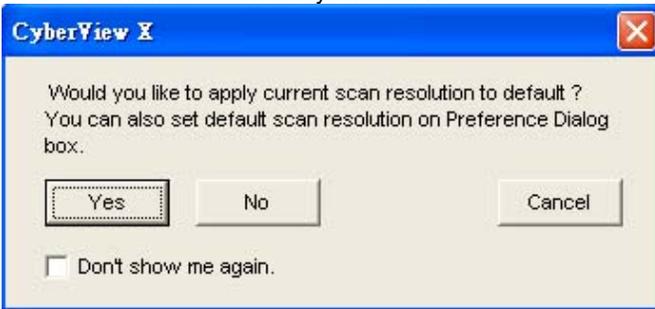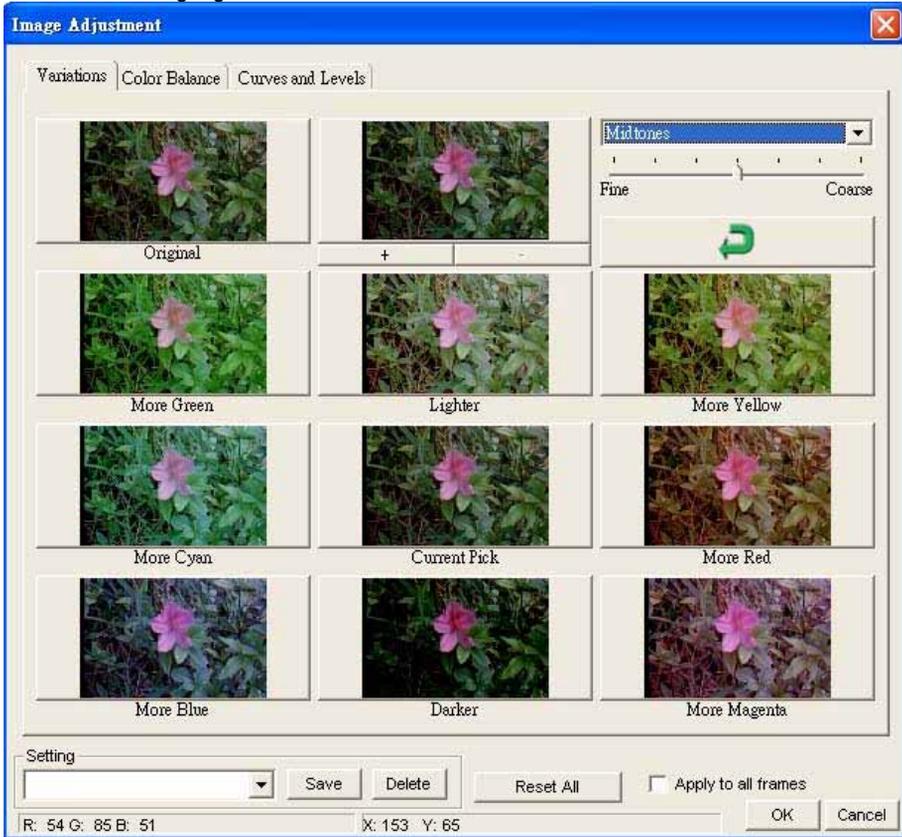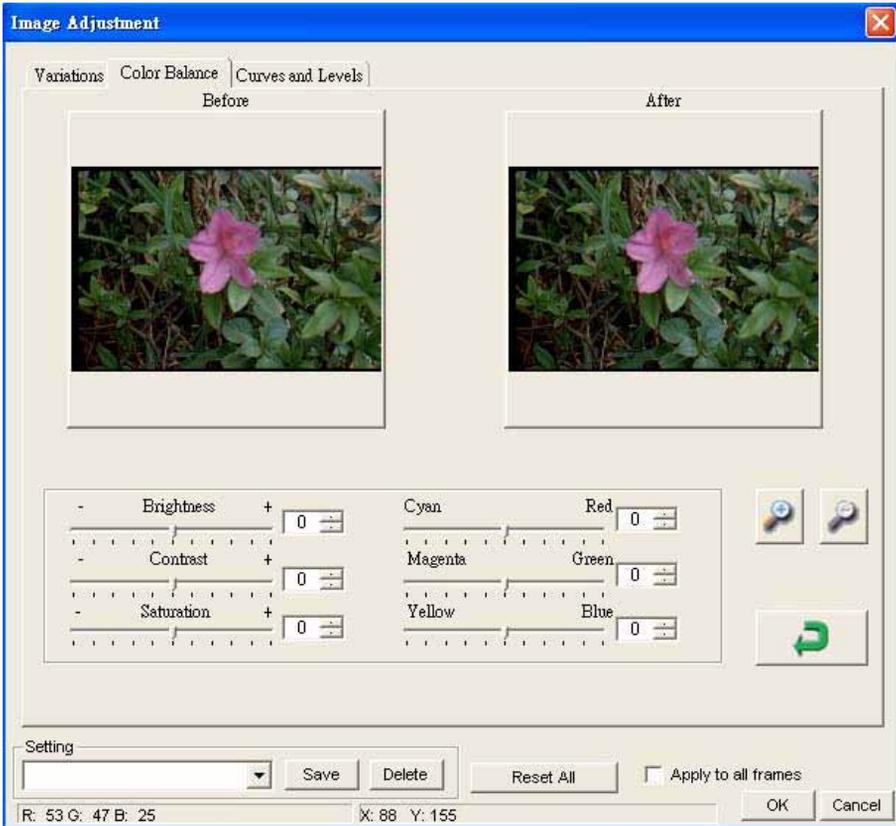

Preview
1. Zoom In　Magnify image.
2. Zoom Out　Reduce image.
3. Rotate 90 Left　Turn the image 90° counter clockwise.
4. Rotate 90 Right　Turn the image 90° clockwise.
5. Flip Horizontal　Flips the image horizontally.
6. Flip Vertical　Flips the image vertically.

Image Adjustment

1. Variations   Provide different views of image with options to make changes to highlights midtones etc.

2. Color Balance... To adjust the brightness, contrast, saturation, and color (CMY or RGB) of the image. Comparison between before and after adjusted will be shown for reference.

For Example :

Your previewed image appears to be too dark you can use the "Brightness" slider in the "Color Balance" window to adjust the image, selecting the slider in the center and moving it to the right you will notice your image's "After" view is getting lighter, once it is adjusted to your liking you can click on "OK" and the changes will be sent to the scanning hardware, this can also be used to adjust each of the functions in "Color Balance" by moving slider to adjust the image then select OK to save changes to be sent to the scanner when you select SCAN. (for more precise adjustments please use the Curves and Levels option window) See Next...

3. Curves and Levels... To adjust image quality by moving Curve and Levels. Comparison between before and after adjusted will be shown for reference.
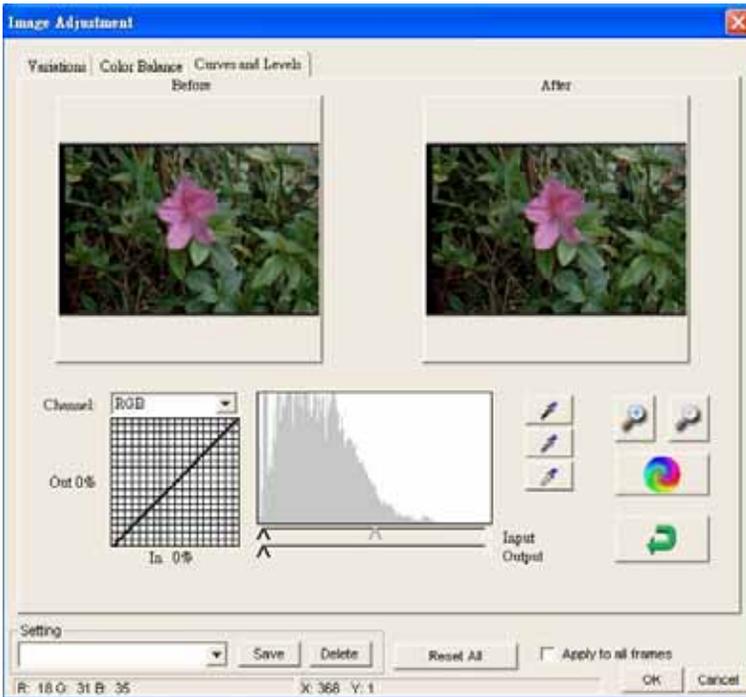
For Example :
Your previewed image appears to be too dark you can use the Input slider in the Curves and Levels window to adjust the image, selecting the Gray slider in the center and moving it to the left you will notice your image's "After" view is getting lighter, once it is adjusted to your liking you can click on "OK" and the changes will be sent to the scanning hardware, this can also be used to adjust each color channel independently, using the channel drop down menu "RGB = All colors" R = Red, G = Green, and B = Blue, if you find your image has too much or not enough of any one color you can adjust this using these tools Example : Too much/not enough Red select R from the Channel drop down menu (just below the "Before" image on the left) and using the input slider adjust the color then select OK to save changes to be sent to the scanner when you select SCAN.

Windows

1. Exposure Setting...   To adjust the exposure time (R,G, B) press "Reset" to
                                    restore to the default setting.
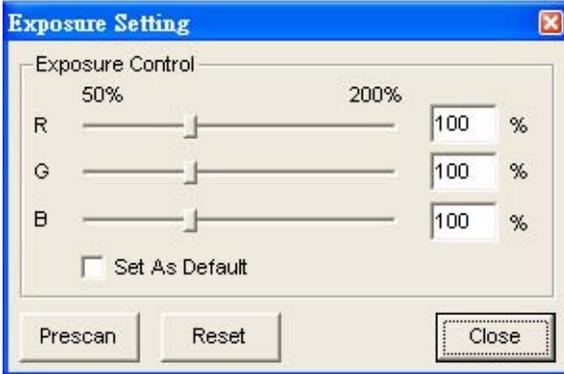
2. Output Preview...   To preview the output format of image. A pop-up window to set
                                    the output media (type and side), parameter (resolution and
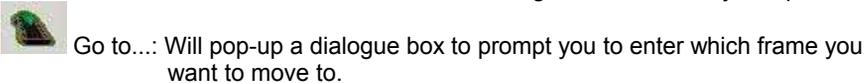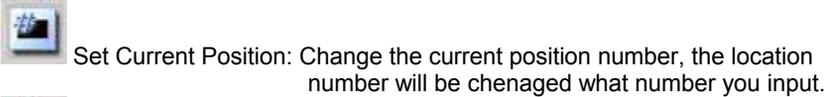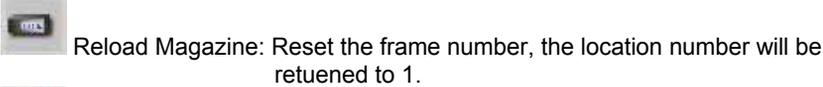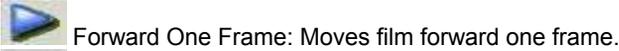   size).
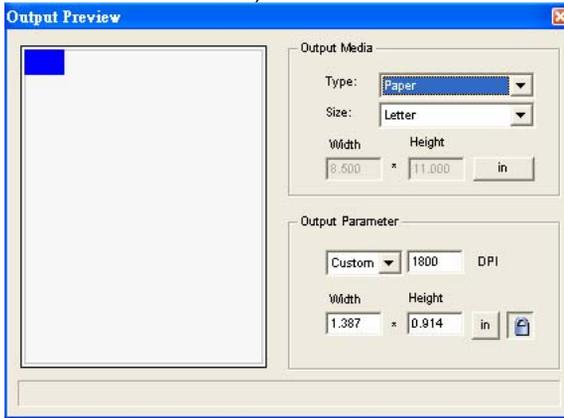
Help

1.User Manual   Opens the electronic user's manual.
2. Update Firmware   Upgrade the firmware version, select the path where the file of
   firmware has been saved. (These files may be downloaded from our website)
3. About...   Displays system information   including operation system, CPU , product
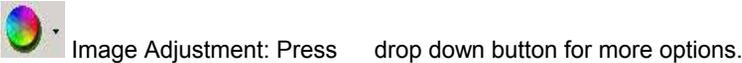   information   including product name, model name, hardware version, firmware
   version, software version, device information including interface and optical
   resolution .

Function Bar Diagram

In order to optimize scanned image quality, please select your film type and brand from the toolbar.

| | Generic Negative Negative | **Negative** |

| | Generic Positive Positive | **Positive** (also known as Slide) |

| | Generic B&W B&W | **Black and White** |

Prescan: Pre-scan the current film, press   button down for more options.

Scan: Scan film, press   drop down button for more options.

Image Adjustment: Press   drop down button for more options.

Output Preview: To display the output preview image.

Backward One Frame: Moves film back one frame.

Forward One Frame: Moves film forward one frame.

Reload Magazine: Reset the frame number, the location number will be retuened to 1.

Set Current Position: Change the current position number, the location number will be chenaged what number you input.

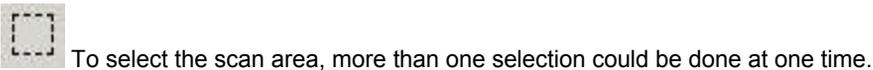Go to...: Will pop-up a dialogue box to prompt you to enter which frame you want to move to.

Status line

To shows the RGB values in the image on the lower right hand corner.

Exposure R: 100% G: 100% B: 100%

Preview Window Area   Fixed Window

Toolbar Diagram

To select the scan area, more than one selection could be done at one time.

Zoom In: To magnify the image where the cursor point, the image will be magnified one time every click until maximum multiple （1000%）.

Zoom Out: To reduce the size point the cursor to the desired area, the image will reduce by half with every click until the least multiple （25%）.

Rotate 90 Left : To rotate the image counter clockwise 90 degrees.

Rotate 90 Right : To rotate the image clockwise 90 degrees.

Flip Horizontal: To Flip the image 180 degrees horizontally.

Flip Vertical: To Flip the image 180 degrees vertically.

Revert: Discard all modifications and restores the image back to the original state in preview windows.

ROC : Automatically restores original colors by analyzing the base image and applying corrections to the faded colors. **(ONLY AVAILABLE ON UNITS WITH BUILT IN DIGITAL ICE[3]™ TECHNOLOGY.)**

GEM : Automatically enhances the clarity of a scanned film image while preserving its colors, gradations and sharpness. **(ONLY AVAILABLE ON UNITS WITH BUILT IN DIGITAL ICE[3]™ TECHNOLOGY.)**

**Note: GEM will only have obvious effect on 1800 DPI or above.**

Preview Window
Preview the image you pre-scan, you can select the measurement unit „in"-„cm"-„px" by clicking the upper-left corner.

Status Line

On the lower left hand corner, it shows the color level of red, green, blue and coordinates of location ex I on the lower right hand corner, it shows the zoom scale, which frame it located, how many blocks you selected ex II .

R:0 G:0 B:0 X:1.443 Y:1.413 **I**

Zoom Scale: 100% Location : 1 Selections : 1 **II**
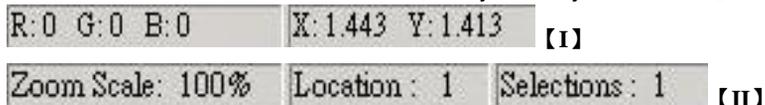
Active Frame Setting Area Floating Window

**A comprehensive advanced mode is available to allow for more user defined adjustments.**

Normal mode ex I to input the basic parameter to scan including scan resolution, film size, color depth .

Advanced mode ex II to input the parameter of scan and output including scan resolution, size, color depth and output resolution, size, scan mode .

The "Active Frame Setting" only imitates in the current preview image, click "Apply to All" to imitate in all preview images.
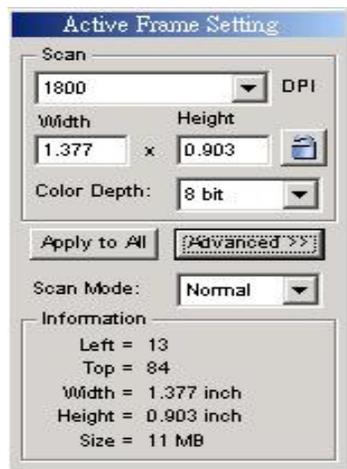
Normal Mode I
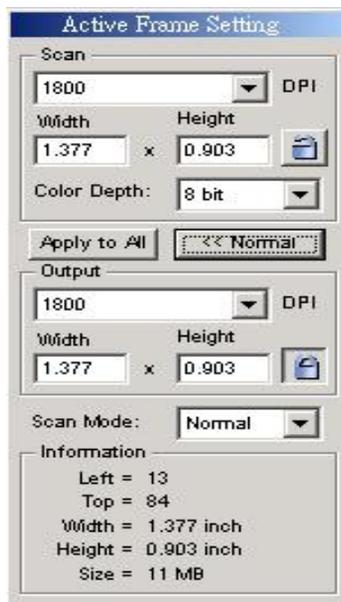
Advanced Mode II

Thumbnail Panel Area   Floating Window

Displays thumbnail view of pre-scanned images. By default all pre-scanned images are selected. Note the small check mark below each image.

When scanning more than 6 frames (6 at a time are viewable in the thumbnail panel) you may scroll to view more by clicking on the right arrow button. The left / right arrow buttons allow you to scroll throught pre-scanned images with ease.

To de-select frames you do not wish to scan click on the check mark box to remove selection.

TECHNICAL SUPPORT

CyberView X - MS

For question regarding film scanner and CyberView X-MS driver, please contact with your dealer immediatly.

Bundled application software

For questions regarding **bundled application software**, you can refer to the *HELP* function on the application menu bar or visit the software company's website.

**This user manual has also been archived in the packaged CD.