CyberView X5-MS
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. 6)

Important! Save the original box, receipt and packing material for future shipping needs.

Package Contents

Slide Scanner
50 Slide Magazine
Power Adapter (could come in 2 pcs)
USB Cable.
CyberView Scanning Application & Hardware Driver CD.

Warning!

Using any other power adapter or slide trays may severely damage the scanner and will void the product warranty.

NOTE: The orange adapter on the transport arm and the arm itself are excluded from guarantee.

GENERAL GUIDANCE:

Connect the scanner directly using the USB cable provided.
Do not use a hub or USB extension cable. Only use the USB ports on the rear of desktop computers.

If there are any other devices (multifunction device, printers, scanners, webcam) connected to the computer through USB, disconnect or power them off.

A minimum of 2GB RAM (Win/Mac) is required.

Operating Ambient Temperature Range 50º to 104ºF (10º to 40ºC)
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.

This device is designed solely for private use and is not intended for commercial use.

QUICK INSTALLATION GUIDE (QIG)

INSTALLING - CyberView X5- for PC (Windows) User

a. Insert CD into the computer CD/DVD drive and explore the contents of the CD. Page **3** of **38**Double click the "CyberView" icon to begin the installation process. Follow the onscreen prompts to complete the installation process.

NOTE: Make sure the scanner is NOT connected to the computer during the CyberView driver installation.

b. Restart computer once the installation process is complete.

Installing the Hardware

a. Connect the slide scanner to a power source. The hardware drivers automatically loaded with the CyberView X installation process.
   1. Locate the power switch on the lower left side of the scanner. Make sure the scanner is TURNED OFF.

Circle in OFF / Line in ON

   2. Plug the AC adapter into an AC power source FIRST before plugging it into the scanner.
   3. Attach the USB cable to the computer using the standard USB adapter end. Attach the USB adapter end of the cable to back panel of the scanner.

b. Ensure the scanner does NOT have a slide magazine loaded, turn the scanner ON. The calibration cycle on the scanner will start automatically and will take several minutes to complete. A green light will flash while the calibration is in progress. 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.

WINDOWS SYSTEMS INSTALLATION: DURING DRIVER INSTALLATION A WARNING DIALOGUE BOX MAY APPEAR, IF THIS IS THE CASE PLEASE SELECT "INSTALL THIS DRIVER ANYWAYS".

NOTE: Not all PC's will display the found new hardware window, most will install in the background Should it occur (Generally on XP/Vista systems) follow the steps below

1. Then In the "Found New Hardware Wizard" window, select "Search automatically or Browse computer for driver software."

2. Next In "Completing the Found New Hardware Wizard" window, Click "Finish" to finalize the hardware installation.

General Information:

ALL Trays: Load slides with the SHINY side facing the right side of the tray, this will result in a backwards scanned image, but due to the hardware design this is necessary to obtain the best scan quality.

Supported Slide Trays:

Braun Paximat S (White tray) and PIE **Dark gray tray** (bundled) designed for thicker cardboard mounted slides 2 - 3.2mm thickness.

Paximat Compact Magazine (Black tray) for mounted slides up to 2mm thickness, plastic and thin cardboard mounts.

CS Magazine for CS/CS2-mounted slides (European design

Universal Magazine DIN 108 (open top design) for slides up to 3.0mm thickness

KLM Magazine for slides up to 2mm thickness

NO OTHER BRANDS OF TRAYS OR CAROUSELS SUPPORTED

Glass slides that are attached to glass frames may cause complications due to the hard edges and thickness, nothing thicker than 3mm can be scanned.

Metal slides: Cardboard slides mounted into metal frames, <u>not supported</u>, they MUST be un-mounted

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Loading slide(s) into the magazine(s)

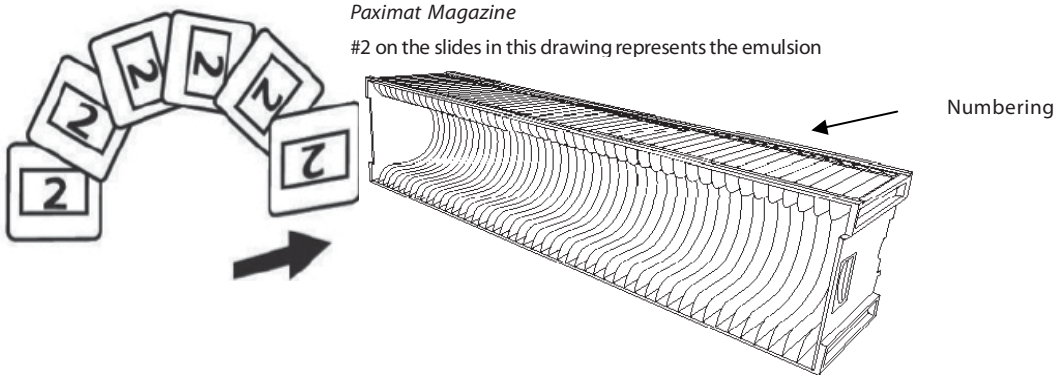
Gray Magazine or Paximat S Magazine (white)

a. Locate the numbering sequence text on the top of the slide magazine indicating the slide order. The numbers should be facing up and starting from the left.

b. Hold the slide right side up, facing forward so the image is NOT reversed. Rotate the slide as illustrated below (180 deg) and Insert each slide, one at a time, into the magazine slots. Essentially they will be inserted upside down and backwards, they will require flipping in an image editing program

Paximat Magazine

#2 on the slides in this drawing represents the emulsion



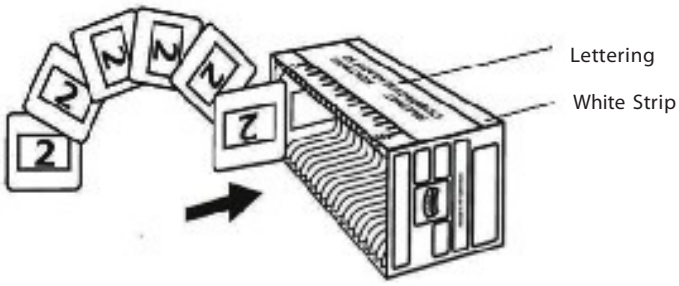
WARNING: Load slides into the magazine properly and make sure the slide mounts are in good condition. Improperly inserted slides or slides with distorted/damaged slide mounts may cause the scanner to jam and potentially damage both the slide and the scanner.

Loading slide(s) into aftermarket magazines

Paximat Compact Magazine (1.8-2.0mm slides)

a. As illustrated below, turn the magazine with the embossed lettering "COMPACT MAGAZINE 50" and the white strip on the right facing towards the top.

b. Hold the slide right side up, facing forward so the image is NOT reversed. Rotate the slide as illustrated and Insert each slide, one at a time, into the magazine.



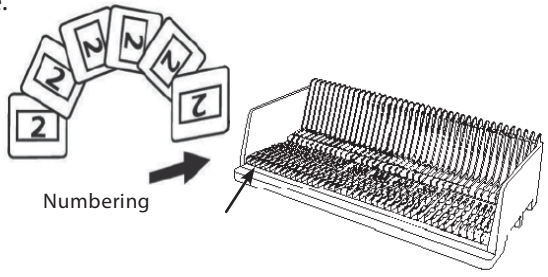
Compact Magazine

CS Magazine (European)

a. Locate the numbering sequence text on the CS slide magazine indicating the slide order. The numbers should be facing up and starting from the left.

b. Hold the slide right side up, facing forward so the image is NOT reversed. Rotate the slide as illustrated and Insert each slide, one at a time, into the magazine.

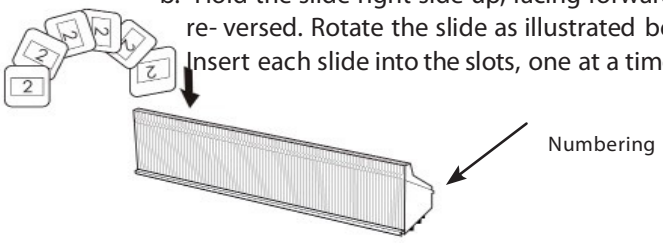
CS Magazine



LKM Magazine (US & Europe)

a. Locate the numbering sequence text on the front of the LKM slide magazine indicating the slide order. The numbers should be facing forward and starting from the right

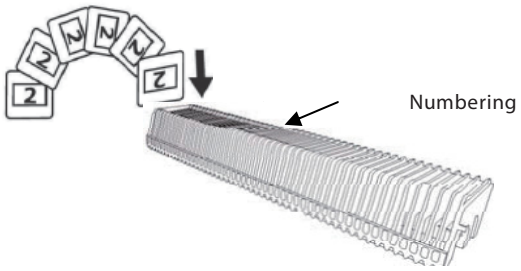
b. Hold the slide right side up, facing forward so the image is NOT re- versed. Rotate the slide as illustrated below (180 deg) and Insert each slide into the slots, one at a time, into the magazine.



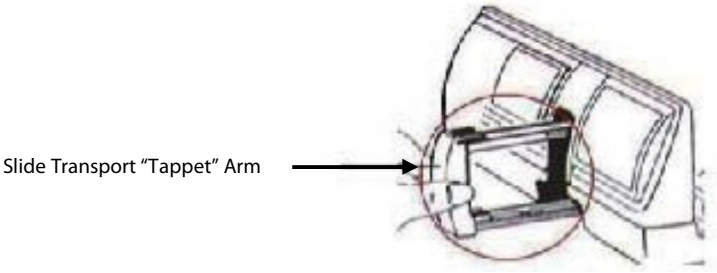
Loading slide(s) into aftermarket magazines cont…

Universal Magazine - DIN 108 (US & Europe –open top design)

a. Locate the numbering sequence text on the top of the Universal slide magazine indicating the slide order. The numbers should be facing up and starting from the left.
b. Hold the slide right side up, facing forward so the image is NOT reversed. Rotate the slide as illustrated below (180 deg) and Insert each slide, one at a time, into the magazine.

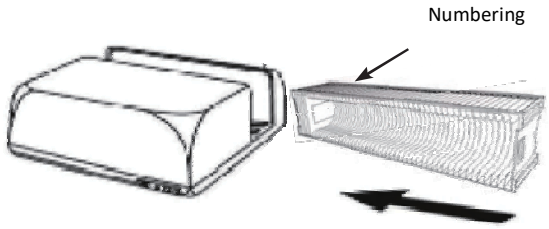


NOTE: For all magazines (except the Universal Magazine)
If the Universal tray (DIN 108) was previously used - Return the orange adapter to its original position at the grip of the slide transport arm after scanning. To release the adapter, gently press its outer tip.
a. Remove the dust cover from scanner exposing the slide magazine loading area.
b. Load the magazine into the scanner as illustrated on the following pages.



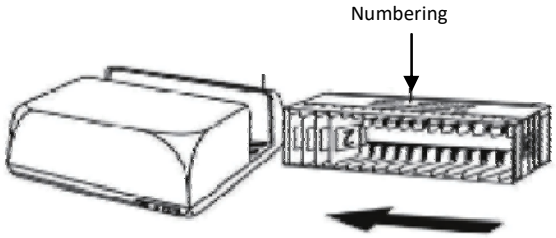
Orientation of scanner in these diagrams is viewed from the back of the unit.
Take note that the magazine slide opening also faces towards the back of the scanner for correct orientation when loading into the scanner.

Loading the magazine(s) into the scanner



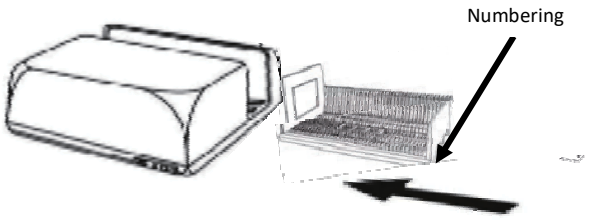
Paximat/Bundled Magazine

Slide order numbers printed on top of magazine the large opening you load the slides into faces the back of the device., This tray needs to be level otherwise it will not insert and appear to be blocked by a small black tab on the bottom of the tray area, if it hits this the tray is not level, it needs to guide in straight and touch the "Slide Transport" Tappet scanning arm



Compact Magazine

Insert with the Embossed letters facing up and the white stripe near the front panel of the scanner.

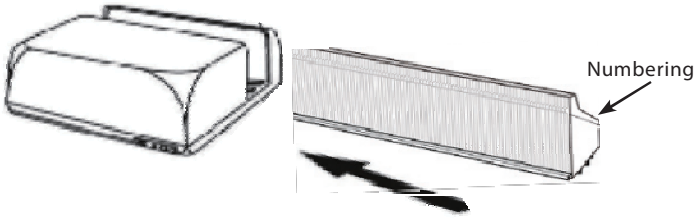


CS Magazine

Slide order numbers printed on magazine facing towards the back of the scanner.

LKM Magazine

Turn the slide tray around so the numbers face the front of the device and the open slots face the back, before inserting



Universal Magazine

NOTE: Use only Universal Magazines with the DIN 108 labeling. Other magazines may result in problems and could damage the scanner and VOID the warranty.

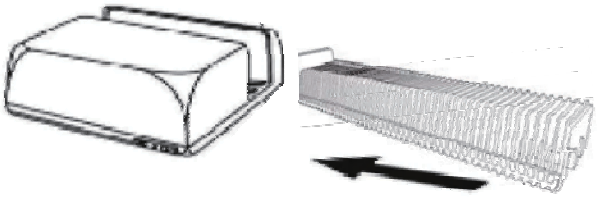
Pull out the slide transport arm all the way, gently press the orange adapter on the slide transport arm, move the adapter on the slide transport arm to the front until it snaps in at the tip of the tappet arm.

Push the slide transport arm back into the scanner.

Load the magazine from the back in the respective guiding rails of the magazine tunnel until it touches the slide transport arm.

Universal Magazine

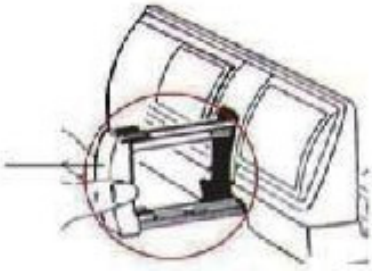
Slide order numbers printed on top of magazine on the right hand side of magazine towards the front of the scanner when loading.



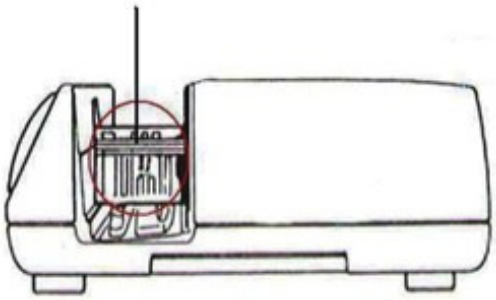
Universal "DIN 108" Tray

c. Place the slide magazine into the scanner from the left side until it touches the slide transport arm and the magazine "clicks" into place.

Slide Transport Arm

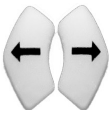


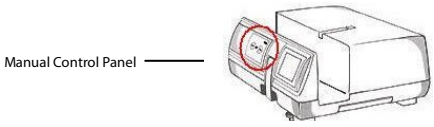
Slide tray holder area



Additional hardware features….

Manual Front Control Panel – Push buttons on the front of the scanner

a. You can advance or reverse the slide tray by pressing the  navigation buttons or scan manually using the scan button  to perform one button scanning, CyberView X must be open to use this button.



Please Note: When installing your new scanner onto a Windows system that already has another USB Flatbed scanner or All-in-one Scan/Copier/Printer device installed, it may be necessary for you to power off or even disconnect or the other scanner from the USB port for the Film scanner to work properly,

One Button Scan

1. Open the CyberView X application (Ref. page 16 to acquire the CyberView software)

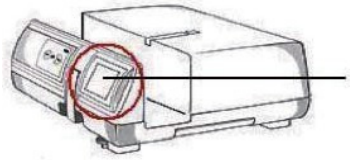
2. Configure Scan Settings (see Page 17)
   Configure the scan settings: Select the Scan to directory, file format (TIF or JPG) Magic Touch/Auto Color etc., once configured, Press the scanner button (◘) to begin scanning.

NOTE: If you do not open CyberView FIRST, the scan button will not function.

c. Slide Viewer – Backlit slide viewer (Not scanning display)

The scanner has a built in mini light panel which allows the slides to be manually previewed with a backlight before inserting into the tray for scanning.

Insert the slide into the slide viewer for previewing. The scanner has to be switched on. Gently press down on the top of the slide to engage the back light for viewing the slide.

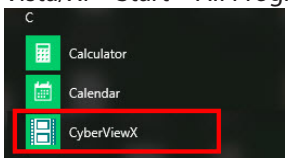


HOW TO SCAN SLIDES

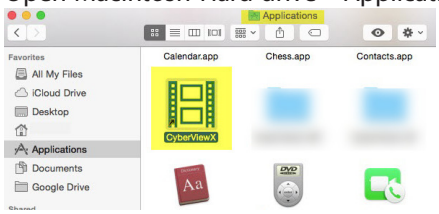
STEP 1 – Acquire Driver
(For PC Users)

Open CyberView from the desktop icon 

Alternatively Start button Scroll to the letter C category look for CyberView X
Vista/XP - Start – All Programs – CyberViewX

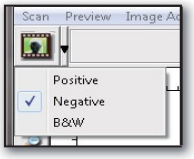


(For MAC Users)
Open Macintosh Hard drive – Applications – CyberViewX



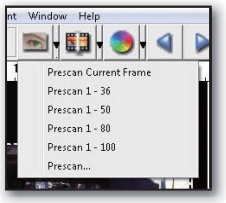
STEP 2 – Select Film Type

Select the film type to be scanned – Positive (Slides), Negative (mounted negatives) or mounted B&W negatives (Black and White).



STEP 3 – Optional Prescan

Select the "Prescan Current Frame" to prescan the slide currently loaded into the scanner or "Prescan..." to prescan slide or slides at specific positions in the magazine.



Pre-Scanning should be used to manually adjust color/crop area, exposure settings etc. for each slide before doing the final scan. It's possible to set different settings for each slide to be scanned.
Please note: With older cardboard mounts the optional Pre-Scan can put a lot of wear and tear on already decaying slide mounts, pre-scan is ONLY required if you plan to pre-edit all or some of the images manually before final scanning, otherwise use the available automatic correction features to do it for you, and skip prescanning altogether

STEP 4 – Set Scan Settings

a. **Resolution (Scan dpi)**

The default scanning resolution is 1000dpi, additional resolution options are listed below.

Notice: Higher scanning resolutions result in greater scanning time and hard disk space requirements.

Examples of resolution to use:

Here are the minimum resolutions to display slide shows on an HDTV with high quality
1080p TV = 1500 dpi minimum to achieve a 1920 x 1279 pixel image,
4K TV = 2840 minimum to achieve a 3840 x 2558 pixel image, 4K TV resolution is 3840 x 2160
8K TV = 5700 minimum to achieve a 7730 x 5113 pixel image, 8K TV Resolution is 7680×4320
(for additional resolution information regarding printing see page 30)

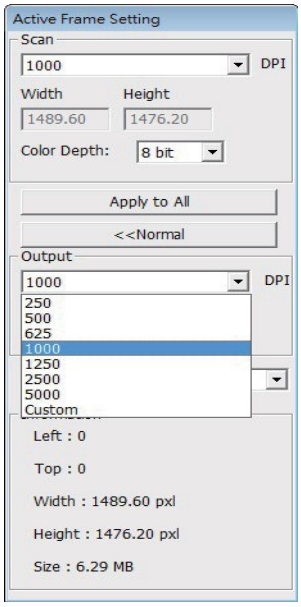
b. **Color Depth**

The Film Scanner color depth is 48 bit true color
The scanning software has the capability of selecting 8 bit color mode or 16 bit color mode when scanning, This will produce 24 or 48 bit color images, 8 bits or 16 bits per Red, Green and Blue color channels

Example:

8 bit mode = 8 Red, 8 Green, and 8 Blue for a total of 24 bit color
16 bit mode = 16 Red, 16 Green, and 16 Blue for a total of 48 bit color

Note: Color image file size of different resolutions and color depths:



Scanning Resolution	Color Depth **(by RGB Channel**	Color Mode	File Size TIFF **(no compression)**
300dpi	8 bit	24-bit	~370Kb
600dpi	8 bit	24-bit	~1.4MB
1800dpi	8 bit	24-bit	~12.9MB
3600dpi	8 bit	24-bit	~52MB
5000dpi	8 bit	24-bit	~100MB
7200dpi	8 bit	24-bit	~208MB
10000dpi	8 bit	24-bit	~402MB

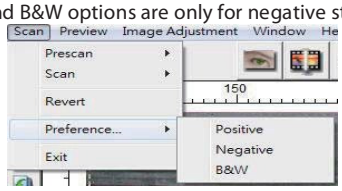
Scans include Auto Balance and Digital Noise Reduction on:
Processor: AMD 9650 Quad-Core 2.3GHz
Memory: 2GB
System type: Vista 64 bit

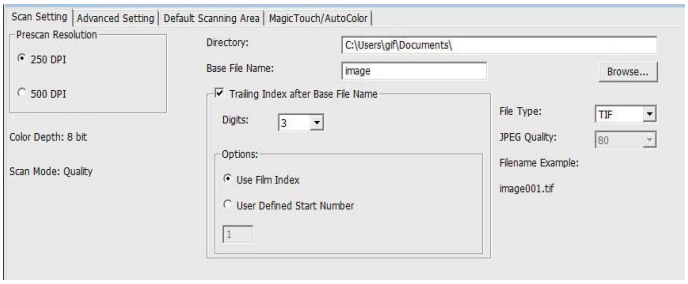
Scan Mode – Normal: Produces a scan in jpeg format
Quality Mode- produces a non-compressed, "loss-less" TIFF image.

STEP 5 – Setting Scan Preferences

Select Scan - Preference - Positive - Scan Setting

(Negative and B&W options are only for negative strips that have been cut and mounted into slide holders))





"Prescan Resolution" - Default pre-scan resolution, if you select the optional pre-scan to pre-edit slides before scanning the higher the pre-scan resolution the larger sample you have to work with for pre-editing before the final scan..

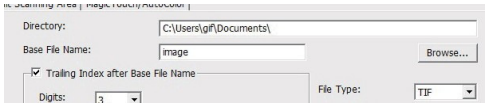
(Please note with older cardboard mounts the optional Pre-Scan can put a lot of wear and tear on already decaying slide mounts, pre-scan is ONLY required if you plan to pre-edit all or some of the images manually before final scanning.)

"Color Depth" – 8 bit (24bit) or 16 bit (48bit) Default color depth

"Scan Mode" – Default scan mode while scanning. Quality mode is for x-rays, medical slides etc., normal is for standard slide images

Configuring Scan settings

1. Select **Browse** and choose the designated folder to save the scanned image to

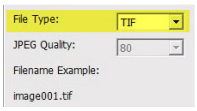


2. Enter the file name.

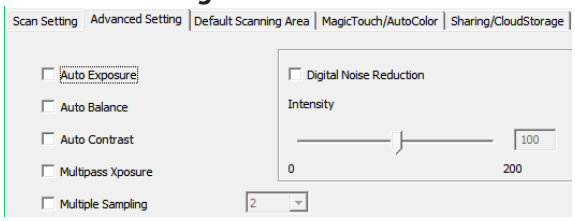
3. **Trailing Index after Base File Name Digits X**: Defines the length of the file name and numbering sequence up to 6 digits **Example Digits 3** (Default) results in a file name image001 by selecting digits 1-6 your file name will change accordingly image000001.

4. Options - Use Film Index: Use the number assigned to the slide based on its position in the cartridge.
   User Defined Start Number: Enter a specific start number, better for archiving and keeping track of your own sequential scan numbers

5. Choose the file type, "TIF" or "JPG". (TIF un-compressed or JPG Compressed - Choose image quality for JPEG. (20-100) 100 offers the least amount of compression, best quality, JPG only outputs to an 8bit formatted image even when scanned using 16bit mode



Advanced Settings



"Auto Exposure" - Attempts to find the correct exposure to get the widest range of whites and blacks while putting the middle grays at around the middle of the data range.

"Auto Balance" - Using the image histogram to balance RGB channels. It estimates images' color cast and adjust the images accordingly

"Auto Contrast" - The scanner software analyzes the data and automatically adjusts the Setting for the White and Black Points.

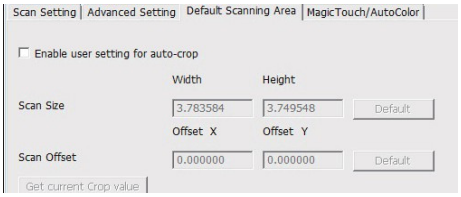
"Digital Noise Reduction" – Applies a filter, reducing the film grain.

"Multipass Xposure" - When enabled multi-exposure performs a triple scan to obtain the best possible image, this process captures the three individual scans, first a normal pass then two more scans to highlight the shadow details to expose the darker areas more fully,
the software then intuitively calculates the final scan, which now contains the data from all three scans.

"Multiple sampling" - Configure the settings to scan a single image (multiple times) 2x, 4x, 8x or 16x for the highest quality output. Please note this greatly increases scan time. With multisampling image noise is a thing of the past.
(Multi Sampling will greatly increase the scan times for each slide)

Default Scanning Area

Adjust the scanning size as well as adjust the "Scan Offset" setting to move the image position of slide.



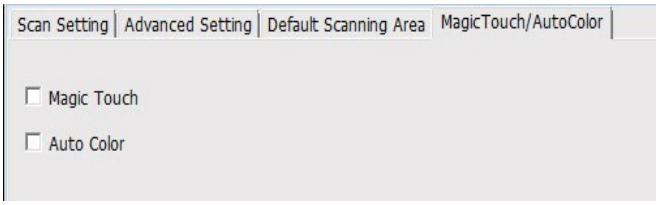
Magic Touch / Auto Color

Enable / disable Magic Touch and Auto Color adjustment to scans.

Magic Touch Is a powerful dust and scratch removal technology that does away with the hassle of learning complex and tedious software techniques. Being hardware-based, it works seamlessly with the scanning process to ensure the best possible results when bringing images into the computer. Dust, scratches and other flaws are intelligently detected and eliminated, restoring the image to its original beauty.

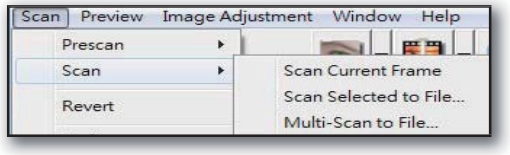
Scanning with Magic Touch requires longer scanning times, the feature is turned off by default.

Auto Color takes the guesswork out of the scanning process to streamline the workflow and achieve the best results. Proprietary color enhancement technology is applied to scanned images to provide the most accurate color adjustment, resulting in vibrant images with optimal brightness, contrast and saturation.



STEP 6 – Scan

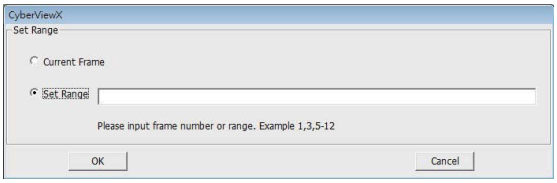
To Scan a Single slide - Choose "Scan Current Frame" to scan the slide loaded into the scanner or "Multi-Scan…" to input the number of slides to be scanned based on their location in the magazine.



1. Scan Current Frame > Scan the current slide.

2. Scan Selected to File > Scan the selected slide(s) to a specified path.
(Pre-scanning required)

3. Multi-Scan to File… > Scan slide(s) numbers and/or range. Set this for 1-50 slides, if you have less slides in the tray, count how many then enter 1-? and the number of slides currently in the tray, Example 10, then enter 1-10

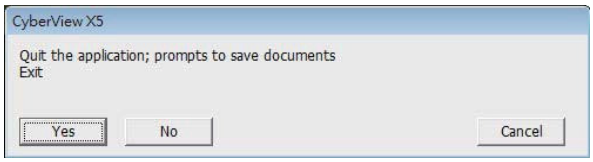


STEP 7 – Exit

All scanned images will be saved to the directory location set previously, the factory default locations are:

Windows: C:\Users\[YOUR NAME\Documents;
MAC: Mac HD\Users\[YOUR NAME]

Select "Scan > Exit" to close the software. Scanned image files can be open/edited with any image editing software.

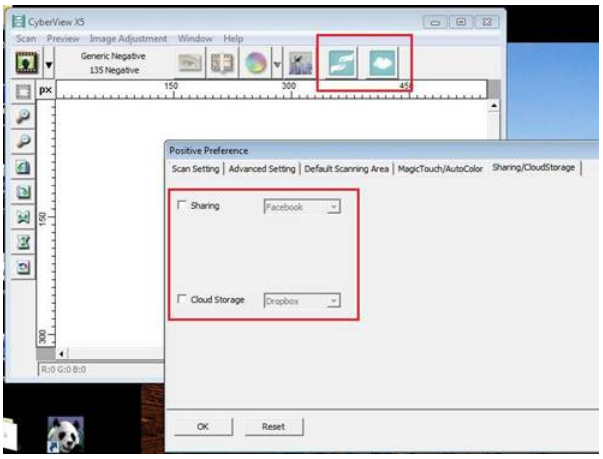


Sharing/CloudStorage

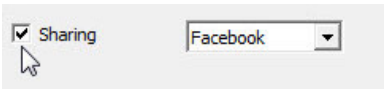
facebook / Dropbox

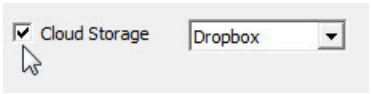
Simply designed and easy to use
Open the CyberviewX 5 software, you will need to select positive for slides or negative for film strips.

Configure the Scan setting - Scan – Preference - Film Type – Sharing/Cloud Storage
Note: The tool bar options are disabled until activating (adding a check mark to the selected option) in the Settings window

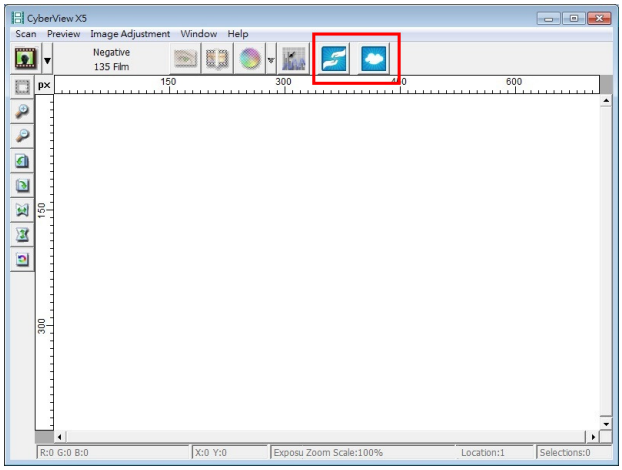


Select your method either Sharing or Cloud



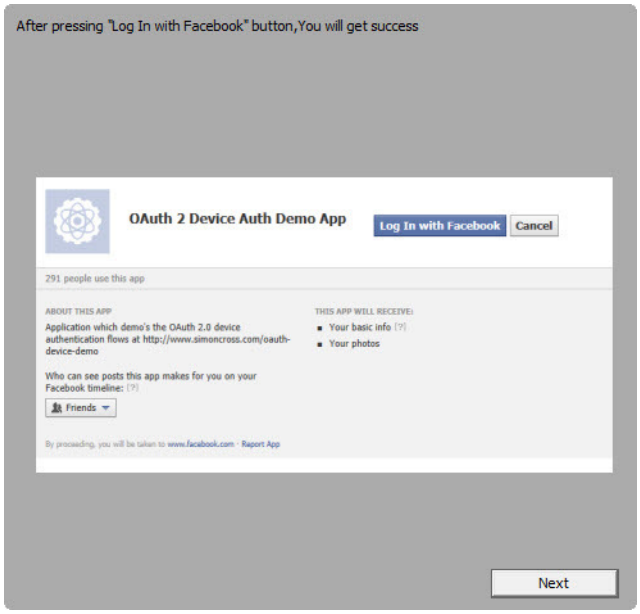


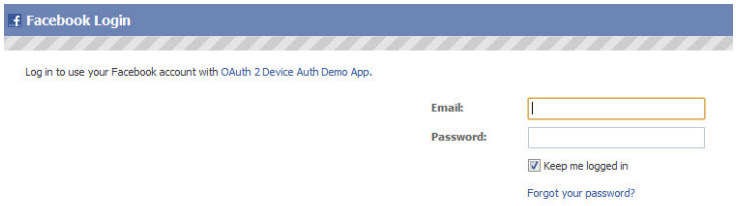
Then Click "OK" The toolbar icons are now active

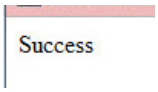


Scanning into facebook, you must first log out of your account, the scanning function will require authentication/login on each use

1. Log off of your Facebook account
2. In the Cyberview interface activate Sharing feature as described above
3. Follow the onscreen prompts to log in and authenticate the device

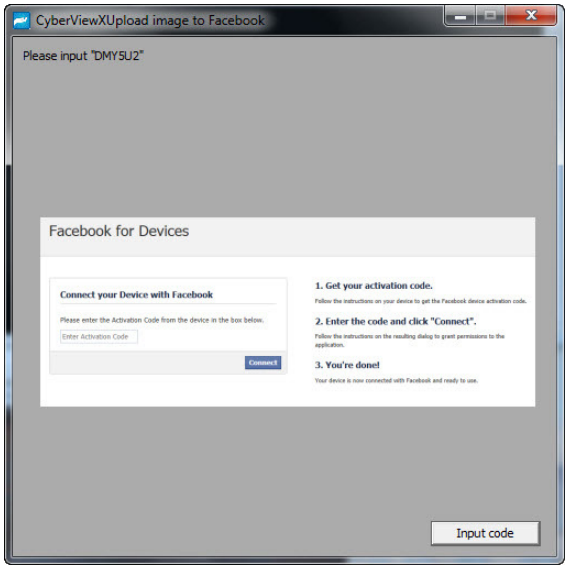




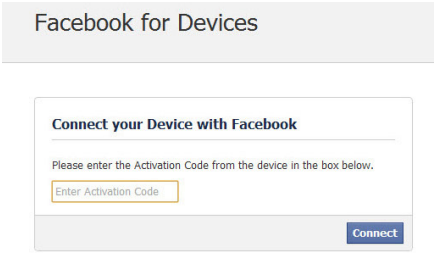


Minimize this browser window

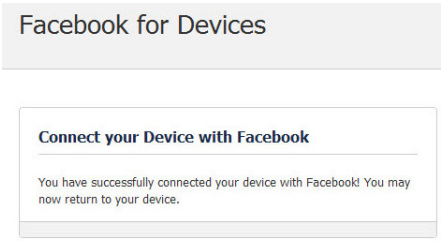
4. Minimize the browser window and on the next CyberView screen, not the Code number you have been given (this will be a different code every time, make a note of it, you will need to enter it on the Facebook website.



5. Enter the code you made a note of earlier, then click Connect

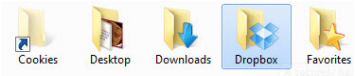


6. Your scanner is now connected to Facebook



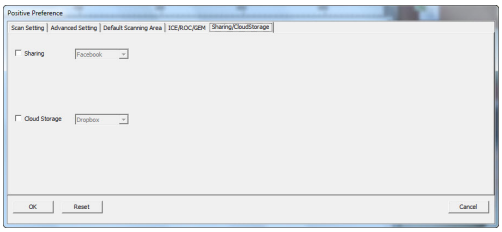
To scan to Dropbox, you must first go here: https://www.dropbox.com/ and sign up for an account and download and install their software, if you are not currently a Dropbox member and would like to use this service.

Once you have created and installed Dropbox application you will now have a new folder on your computer that you may select to scan into for automatic sync uploads with your Dropbox account.



To scan into the Dropbox folder

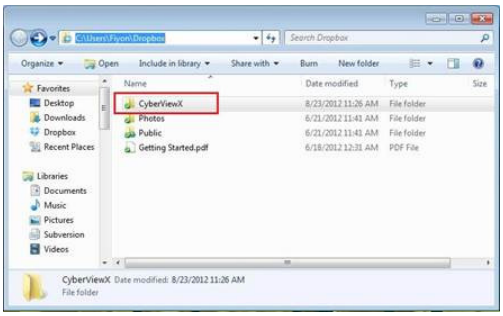
1. Open Cyberview X5
2. Next select Scan – Preference – the film type you wish to scan (Positive or Negative)
3. In this scan settings window select the Sharing and CloudStorage tab



4. Check the box beside CloudStorage to activate it 

NOTE: When selecting the CloudStorage - Dropbox feature the software will automatically scan to the CyberviewX folder it creates in your Dropbox folder on your computer, ready for
synchronization with your Dropbox account.

5. Click OK to save settings, Once configured you are ready to scan.
6. All the files scanned will be saved into the Dropbox folder

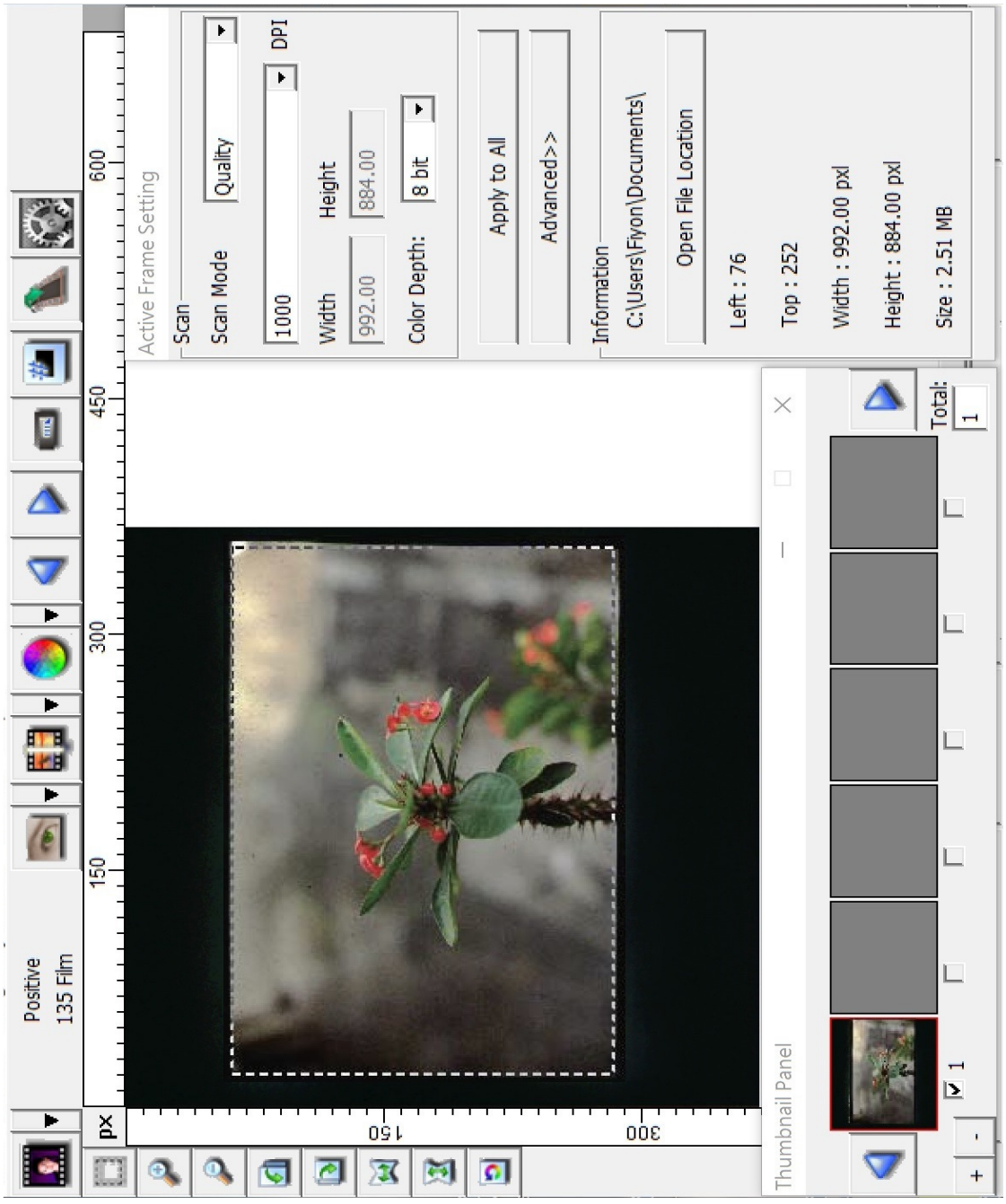


Synchronization will automatically occur with your online account when active.

(Active=Dropbox is running in the system tray) 

USER INTERFACE

I. Main Window Area

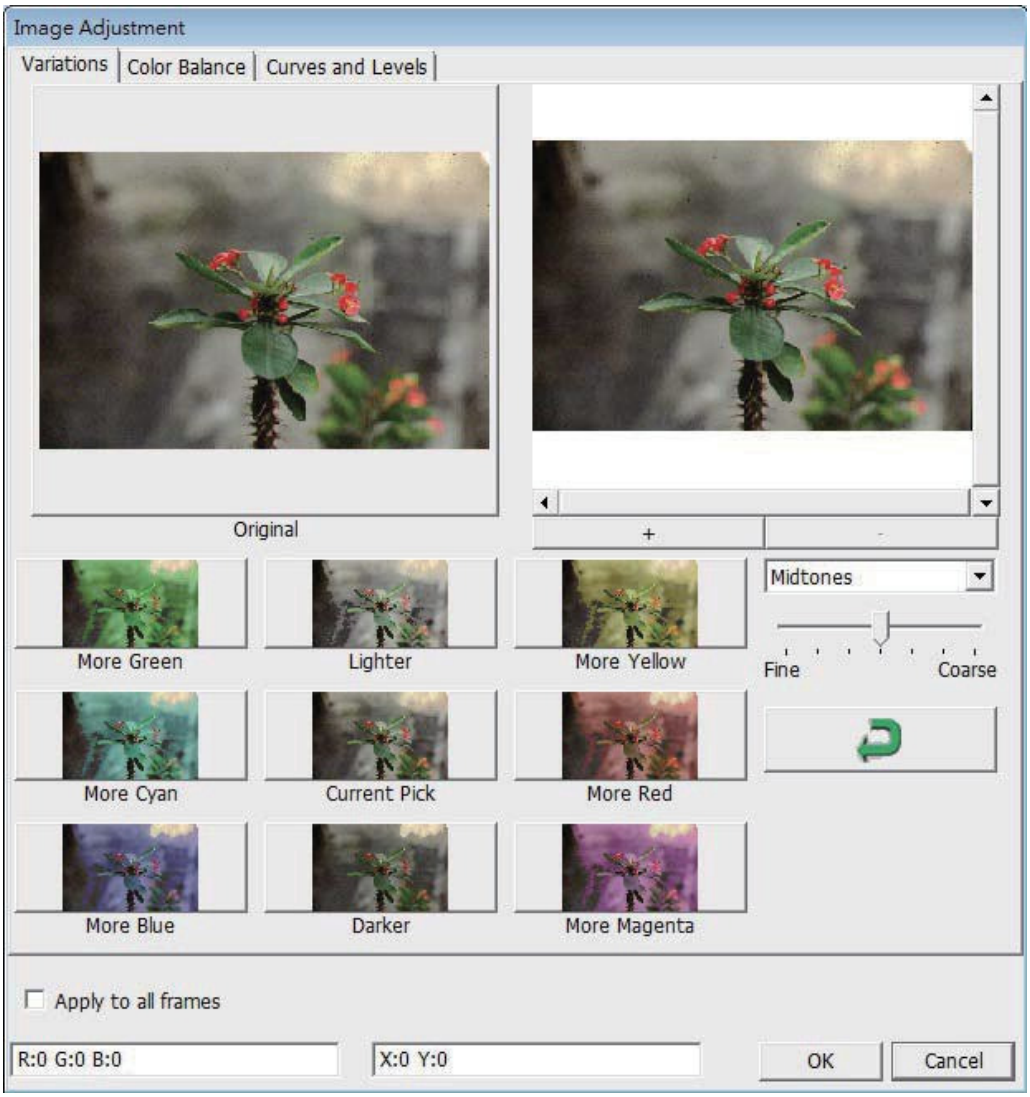


Menu Commands - **Preview**

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: Flip the image horizontally.
6. Flip Vertical: Flip the image vertically.
7. Revert: Discard all modifications and restores the image back to the original state in preview windows.

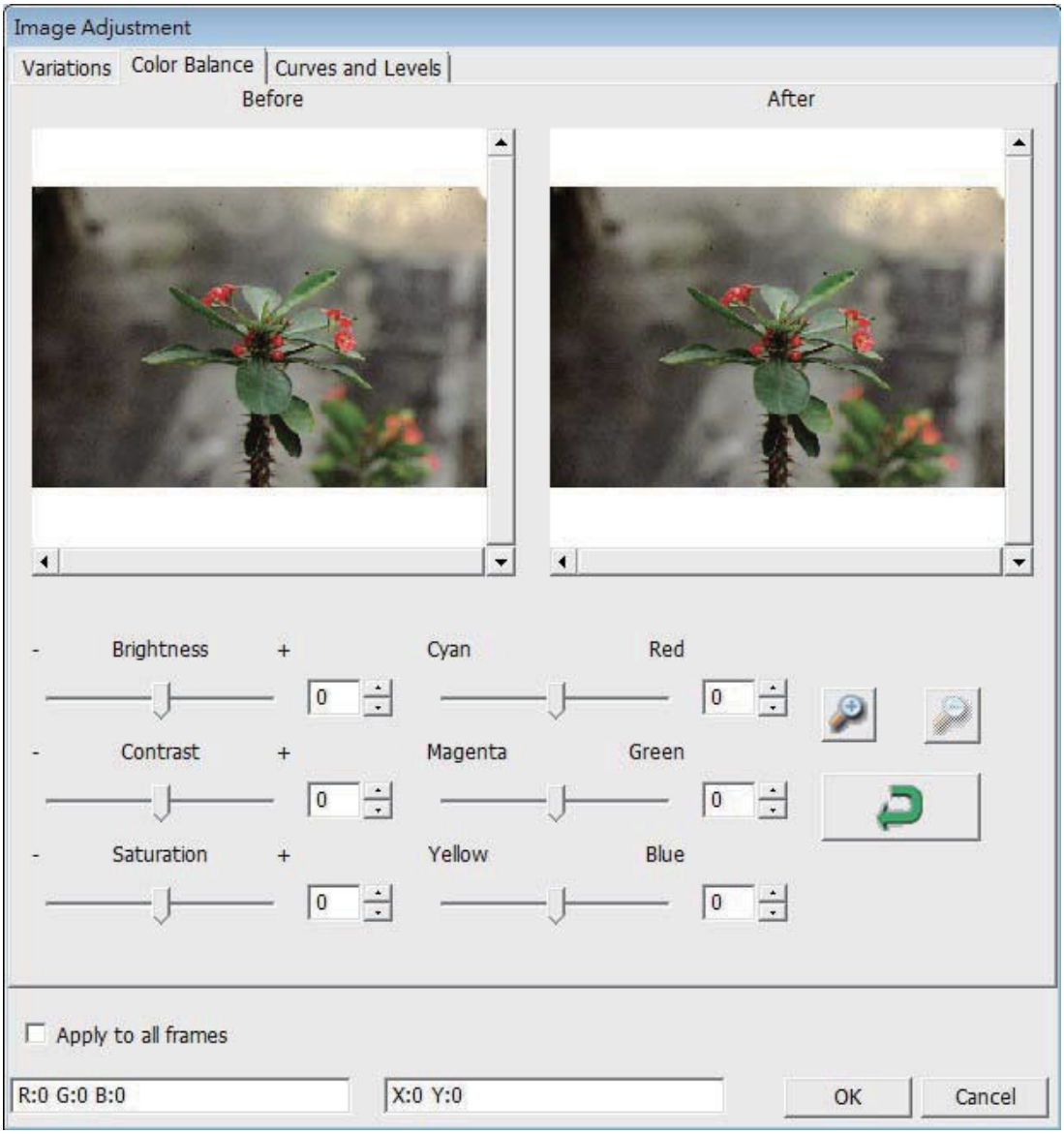
a. Image Adjustment

1. **Variations**: Generates different views of image with options to make changes to highlights, mid-tones, etc.



2. **Color Balance**

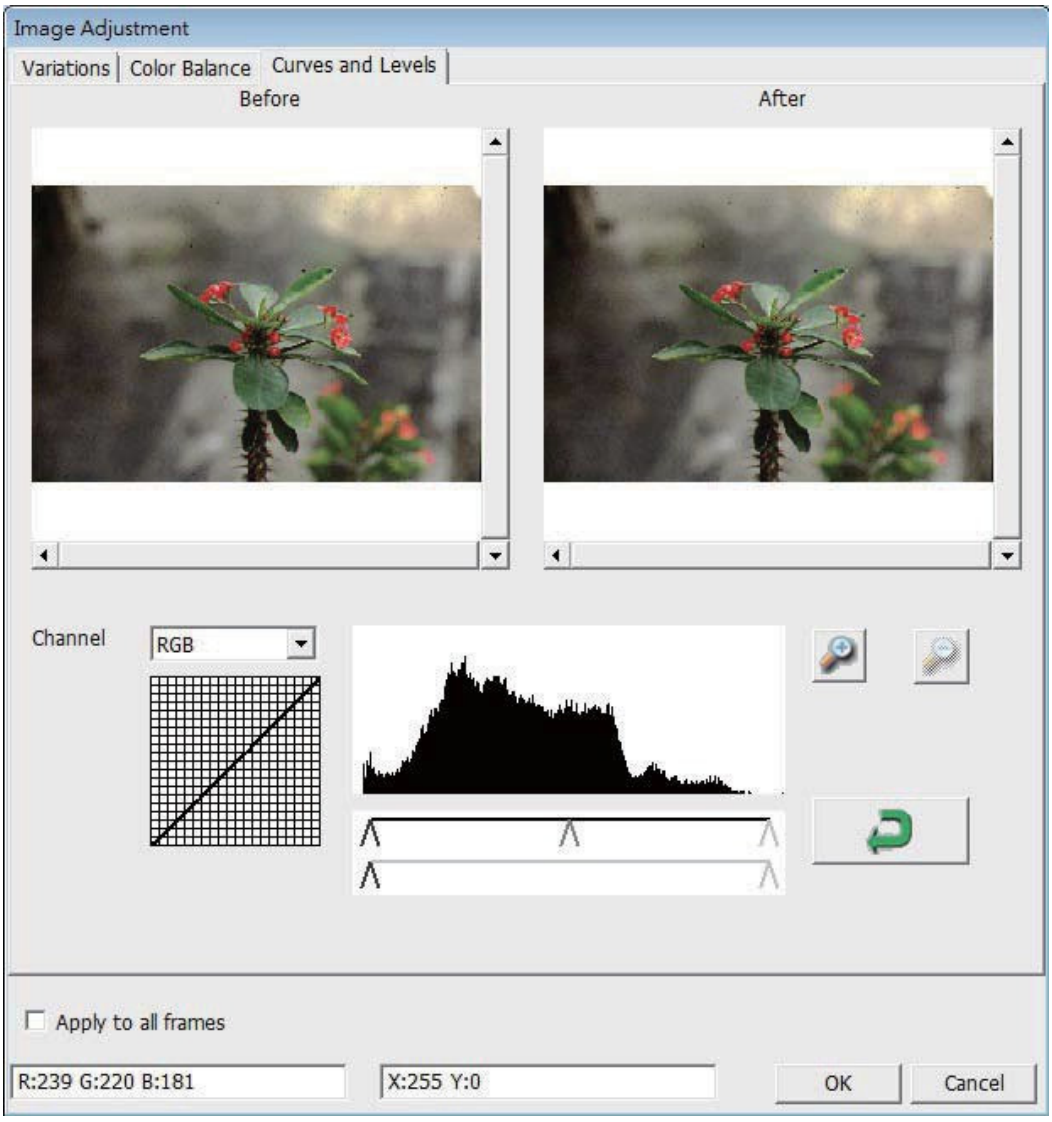
To adjust the brightness, contrast, saturation, and color (CMY or RGB) of the image. Comparisons between before and after adjusted images are shown for reference.



Example: If a previewed image appears too dark, use the "Brightness" slider in the "Color Balance" window to adjust the image by selecting the slider in the center and moving it to the right. The image's "After" view becomes lighter. Select "OK" to accept the changes which will be sent to the scanning hardware. This can also be used to adjust each of the functions in "Color Balance" by contrast, saturation and specific color ranges of cyan, magenta and yellow.

3. **Curves and Levels**

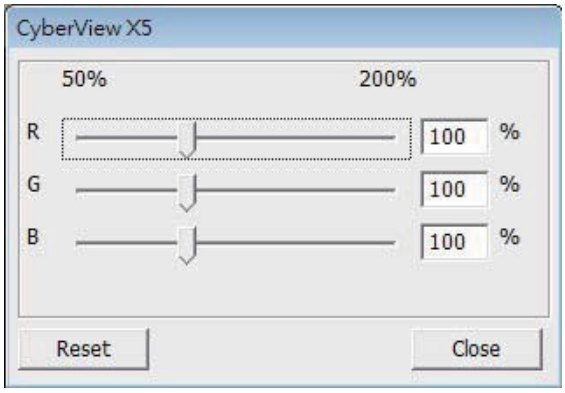
Adjust image settings by moving Curve and Levels settings. Comparison between before and after adjustment is displayed for reference.



Example: When the previewed image appears to be too dark, adjustments with the Input slider in the Curves and Levels window can be made to correct the im- age. Selecting the Gray slider in the center and moving it to the left will result in changes in the "After" view resulting in a lighter image. Once the adjusted image is acceptable select "OK" to send changes to the scanning hardware. The same method 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.

Menu Commands - **Windows**

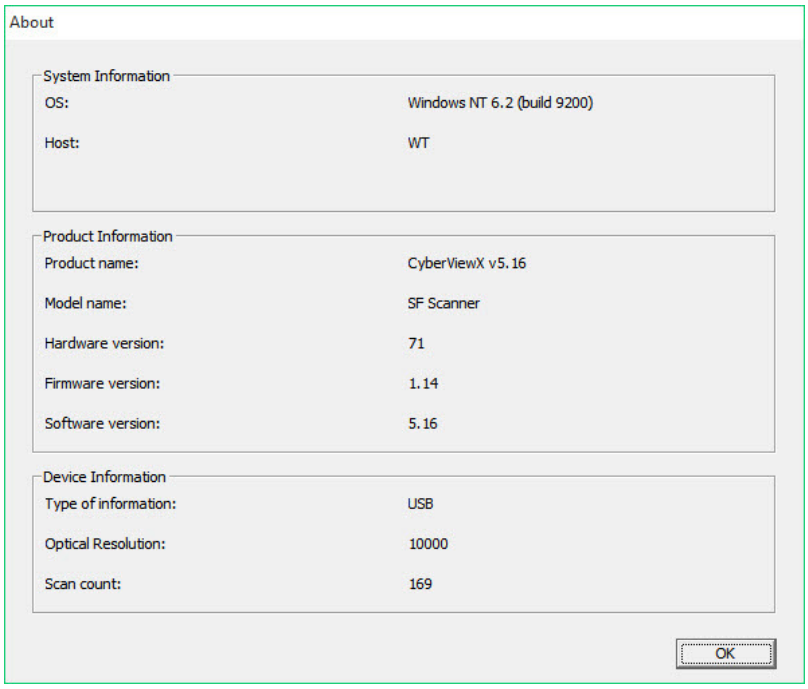
1. Exposure Setting: To adjust the exposure time (R, G, B) press "Reset" to restore to the default setting.



Menu Commands - **Help**

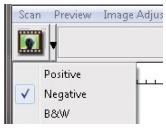
Update: Firmware: Upgrade the firmware version, select the path where the file of firmware has been saved. (These files may be downloaded from our website)

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:



Negative Positive (also known as Slide) Black and White

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

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

Image Adjustment: Press drop down button for more options.

Backward One Frame: Moves film back one frame.

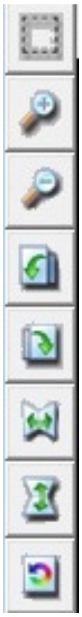
Forward One Frame: Moves film forward one frame.

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

Set Current Position: Change the current slide position number in the magazine.

Go to: A pop-up dialogue box will prompt to enter which frame to change to.

II. Preview Window Area [Fixed Windows]
Toolbar Diagram



Select scan area: more than one selection can be made at a time.

Zoom In: To magnify the image where the cursor is currently located. The image will be magnified with every click until the maximum multiple (1000%) is reached.

Zoom Out: To reduce the size of the viewed image click the Zoom Out cursor to the desired area, the image will reduce by half with every click until the lowest multiple (25%) is reached.

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.

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

In the lower left hand corner, the color level (RGB: red, green, blue) Displays the RGB (Red, Green, Blue) values in the image at the current pointer location

[ex: I]. The zoom scale, the current slide magazine location and how many areas selected to scan (2 or higher indicates: Multiple scan areas on one slide [ex: II].

I.

II.

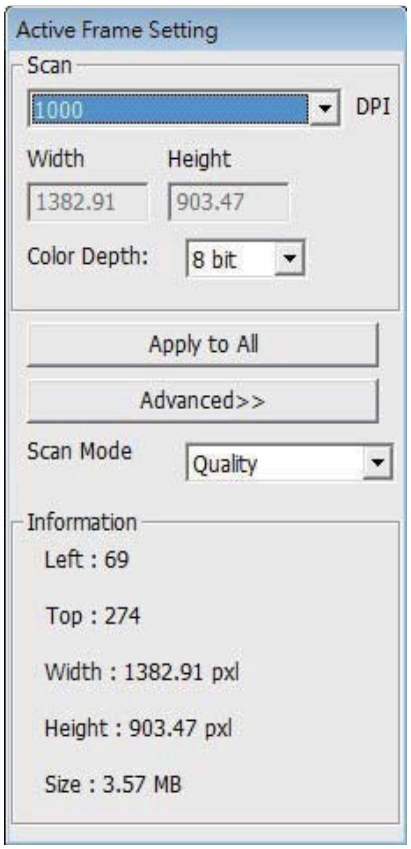
III. Active Frame Setting Area [Floating Windows]

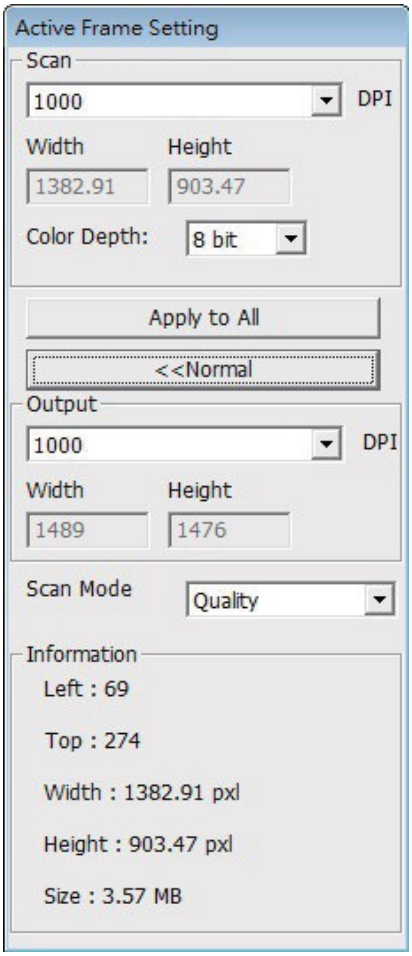
A comprehensive advanced mode is available to allow for more user defined adjustments.

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 set parameters in all previewed images, does not apply to direct scanning to file.

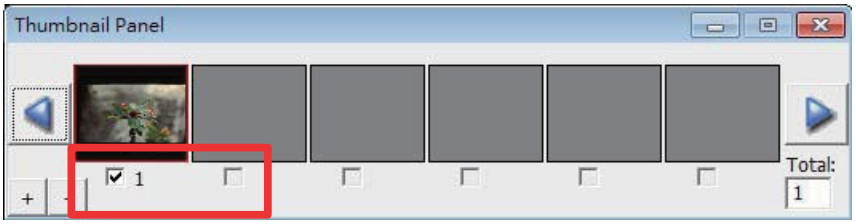




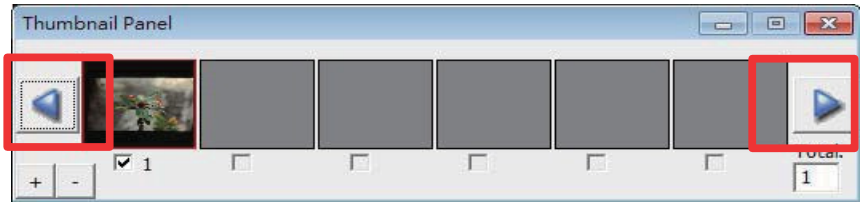
IV. Thumbnail Panel Area [Floating Windows]

Images only appear here in Prescan mode ONLY, scan to file goes directly to the hard drive, this window remains blank as does the main Cyberview window.

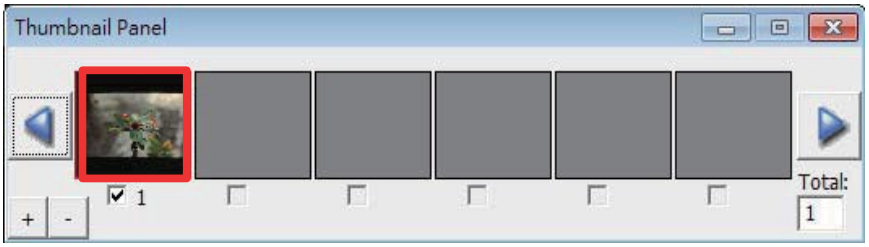
Displays thumbnail view of pre-scanned images. By default all pre-scanned images are selected. Note the small check mark below each image.



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 through pre-scanned images with ease.



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



SCAN DPI SETTINGS ADDITIONAL INFORMATION

Image sizes based on 36 x 24 mm area
(your file sizes will differ based on cropping area)

Scan Resolution	Color Depth	Color Mode	File Size TIFF (no compression)	Color Depth	Color Mode	File Size TIFF (no compression)	Pixel Dimensions
300 dpi	8-bit	24-bit	0.362 MB	16-bit	48-bit	0.723 MB	415 x 267
500 dpi	8-bit	24-bit	1.004 MB	16-bit	48-bit	2.009 MB	692 x 446
600 dpi	8-bit	24-bit	1.446 MB	16-bit	48-bit	2.893 MB	830 x 535
1000 dpi	8-bit	24-bit	4.018 MB	16-bit	48-bit	8.035 MB	1384 x 892
1800 dpi	8-bit	24-bit	12.965 MB	16-bit	48-bit	25.930 MB	2492 x 1607
2500 dpi	8-bit	24-bit	25.110 MB	16-bit	48-bit	50.220 MB	3461 x 2232
3600 dpi	8-bit	24-bit	52.068 MB	16-bit	48-bit	104.136 MB	4954 x 3214
5000 dpi	8-bit	24-bit	100.440 MB	16-bit	48-bit	200.880 MB	6922 x 4464
7200 dpi	8-bit	24-bit	208.273 MB	16-bit	48-bit	416.546 MB	9968 x 6429
10,000 dpi	8-bit	24-bit	401.761 MB	16-bit	48-bit	803.522 MB	13,845 x 8929

Print dpi output sizes if scanning resolution is 7200 dpi

Standard Photograph Sizes	Actual scan/crop ratio of print output	Print Resolution would be
4x6	6.0 x 4.014	1668 dpi
5x7	7 x 4.683	1430 dpi
8x10	10 x 6.691	1001 dpi
11x14	14 x 9.367	715 dpi
16x20	20 x 13.381	500 dpi

To Generate 300 dpi prints

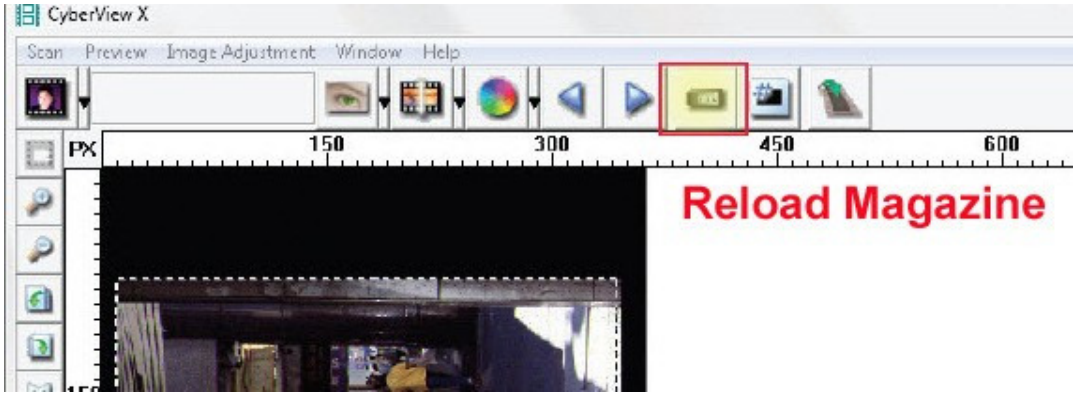
Resolution for 300 dpi Prints	
Actual print ratio from 35mm slide	Minimum Scan dpi needed
6.0 x 4.014	1295 dpi
7 x 4.683	1511 dpi
10 x 6.691	2158 dpi
14 x 9.367	3022 dpi
20 x 13.381	4317 dpi
36 x 24.09	7770 dpi

Tips for Hassle Free Scanning

Screen images differ slightly but commands identical for PC and MAC

Basic Quick Scanning or once you have everything configured to your liking

1. Turn on scanner wait for green light to come on solid, indicating it is fully warmed up
2. Open Cyberview and click on Reload Magazine icon on the toolbar, to rest the scanners internal counter back to ZERO, this will alleviate it stopping for no apparent reason mid tray



3. Load the tray full of slides, and then begin your scanning
4. Go to Scan – Scan – Multi-Scan to file – set Range 1-50 more detailed information below

NOTE: If the scanner sits quietly for 10-15 minutes it will go to sleep and loose communication

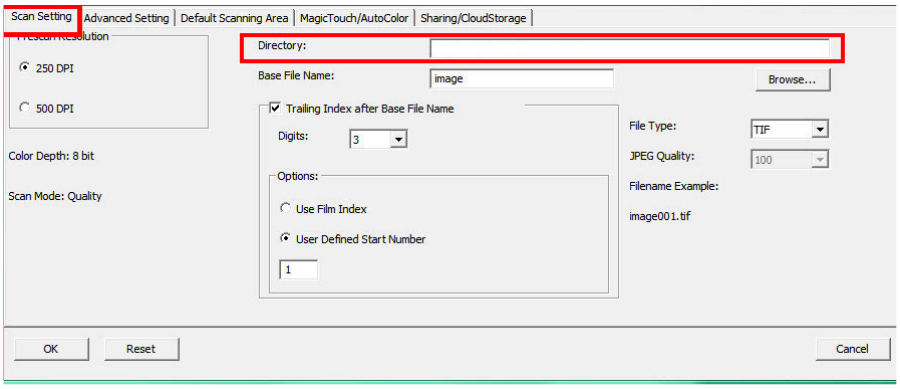
EXAMPLE: You set it up to scan a tray, then walk away, it then finishes and has been sitting, the software will then produce "Unable to communicate" errors

TO FIX: You must Close Cyberview, Turn off the scanner, wait 10 seconds, turn on the scanner and then wait for the full warm up to a solid green light before starting the Cyberview software again.

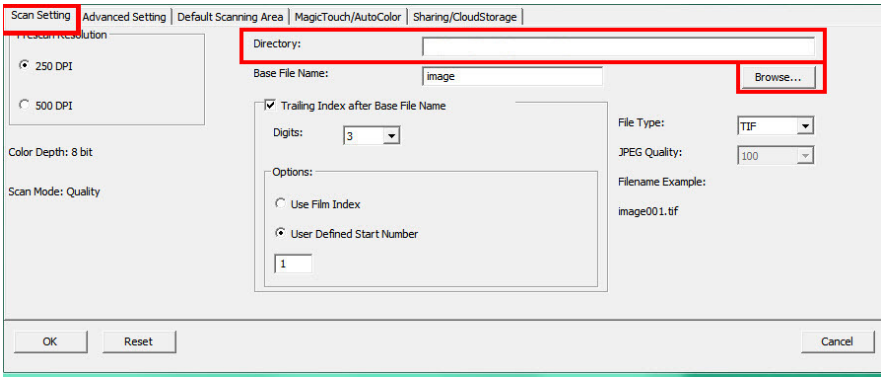
Advanced Tips

Slide numbering tips
Go to Scan – Preference - Positive Film – This is where you will set up your desired configuration settings

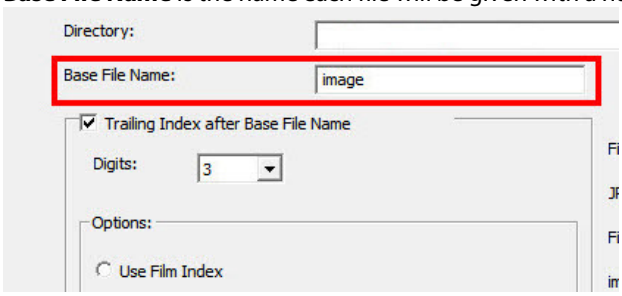
Directory – This is where the files will be saved to



To change the Default Save to location select **BROWSE**



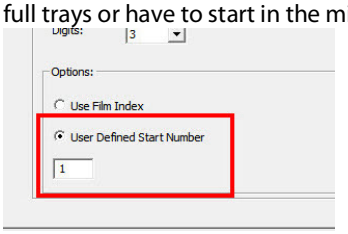
Base File Name is the name each file will be given with a number following



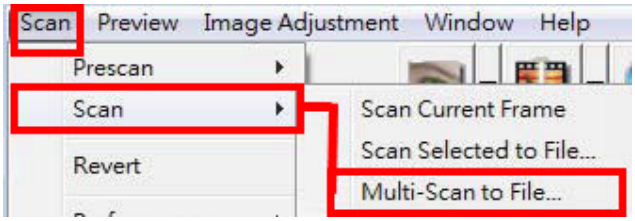
Trailing Index after base file name - Is the number of digits you would like in your file naming sequence, default number is 3 - Image**001**, you can select 1-6 digits for this which would result in naming as follows Image1, Image01, Image001, Image0001, Image0001, Image00001, Image000001 – this can be changed at any time

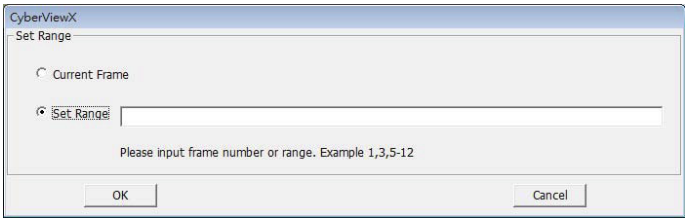
Example Image001 is the default so the files will be named Image001, Image002 and so on
You can customize this to a name of your choosing to aid in organization
Examples: **Germany**_ would result in file names Germany_001, Germany_002
Or
Slides_ then the names would be Slides_001, Slides_002 the underscore leaves a nice separation from the number of the file, another option is to use years
1970_ file names would be 1970_001, 1970_002, 1970_003 etc.

User Define Start number – this allows custom numbering and when selecting SAVE on exit will keep track of where you left off, on what slide number next in the sequence, Film index counts the slot #'s and can get tricky if you scan less than full trays or have to start in the middle after a jam.



When batch scanning the included tray holds 50 slides, therefore when selecting Scan – Multi-Scan to File - Set Range it will be the PHYSICAL number of slides in the tray 1-50 if full, or 1- however many you have in the tray





Current Frame applies to scanning a single slide inserted through the top slide holder

NOTE: This number will only EVER go over 50 if you are using the aftermarket BRAUN Carousel then it will be Range 1-100 as this carousel must always be used full to keep the weight evenly distributed.

File Type
TIF – Uncompressed best quality – Best used when you want to post edit the scans before burning to DVD etc. provides the most data to work with when editing

JPG - Compressed – compression is advanced making the files small – compresses and discards much of the original scanned image data during the save process
EXAMPLE an 1000 dpi, 8 bit (billions of colors) TIF image is approximately 3.83 MB, selecting the JPG 100 will give you a less than 786 kb image from that original 3.83 MB and if you select 16 bit color (trillions of colors) the TIF would be 7.87 MB vs the same 786 kb for JPG, because JPG compression does not support 16 bit color option.

For the best possible images for editing use TIF - 16 bit
For Archiving for just burning to disk making slide shows etc. no editing involved, JPG is a good choice
Also if you scan at 5000 dpi the TIF would be 196.7 MB and the resulting JPG will be of much higher quality at 16.2 MB

NOTE: The scanner can only physically scan TIF images, the JPG conversion is all handled by the software, so scanning in TIF vs JPG using the same resolution settings will not result in longer scan times, only DPI settings can affect this.

Removing a jammed slide from inside the scanner

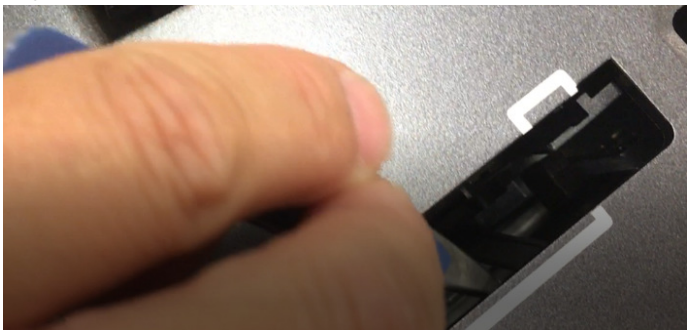
1. Close the CyberView scanning software
2. Turn off the scanner power, disconnect the power cable from the back of the unit
3. Remove the cap from the slide retrieval area (Fig. 1)
4. Next remove the inner slide aligner (Fig 2.) by lifting straight up and out
5.

Fig. 1

Fig. 2 Lift up and out

5. Now you have access to the inside, using thin tweezers 
   Reach inside and grab the stuck slide (Fig. 3)

Fig. 3



6. Once stuck slide has been retrieved, replace slide aligner, and cover back onto the scanner.

TECHNICAL SUPPORT

CyberViewX

For information regarding the film scanner and CyberView driver, please visit www.scanace.com

Transporting the device

For safety purposes, follow the procedure below before transporting the canner (i.e. before moving the scanner from one location to another or packing and shipping the unit):

1. Plug in the power adaptor. Turn on the power switch.
2. Wait for the scanner to warm up (around 3 minutes).
   The LED indicator will always blink during warm up.
3. After LED indicator turns ON solid, turn off the power switch.