This is a collaborative doc in Kodak / Pakon F135 Scanner.

Edit

Welcome to Pakon Scanning!

⬤ CRAIG JANEWAY · THURSDAY, 16 MARCH 2017

Getting Started with VM

Get Virtualbox and Extension Pack and install. Download the 7zip program and the 7z virtual machine image for your scanner (F135 or F235/335), extract 7z file, and in extracted folder double-click the PakonScanXP-F135.vbox file to add machine to Virtualbox. Or, in vb manager, do "Machine > Add."

Daily Start up sequence

 These simple instructions will ensure that the scanner communicates properly with the host PC.

1) Turn on the computer. 2) Allow Windows to finish loading. 3) Turn on the Pakon film scanner and wait five seconds. 4) Launch the PSI application.

How to Scan

From the main tool bar click on the film icon:

Scan Button icon

Scan Settings Selection

When all the appropriate options in the Scan Settings Dialog are set, click on "OK" to begin the scan.

When prompted by the Film LED blinking green, insert the film with the DX code up starting with the lowest number first.

Power   Status   Film

Incert film with DX code up and lowest numbered frame first.

When Film Status LED blinking yellow, remove film from left side.

Image Editing

Once images have been scanned, or opened from file, the image editing screen will appear. All image corrections are done on the main screen.
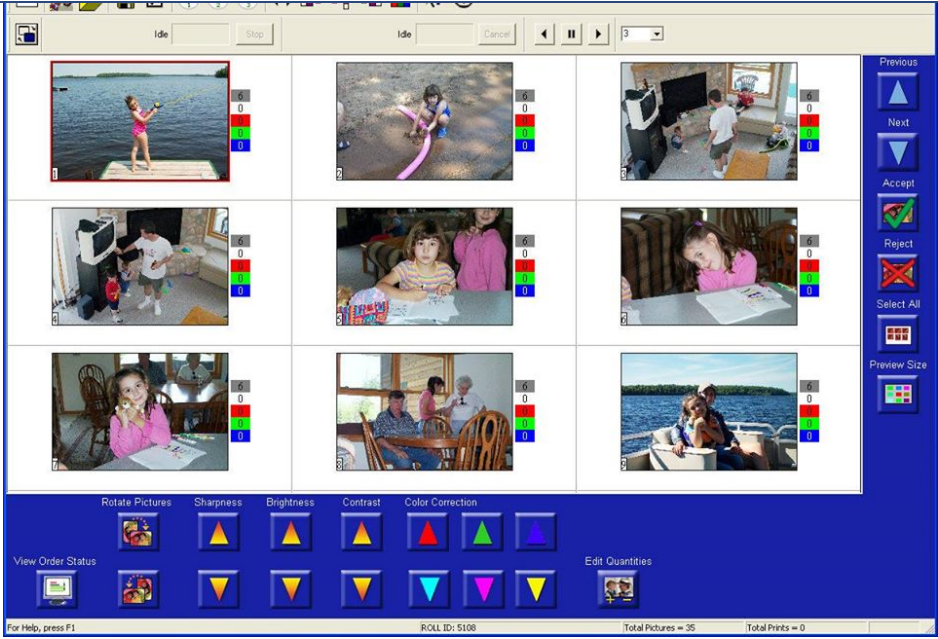
PSI Classic view

"Previous" and "Next" will scroll through the images on the screen, if there are more images in the order than can be displayed on one screen.

"Accept" and "Reject" will include or exclude images from the job type (CD, folio, index print, etc.).

"Select All" will highlight all images currently displayed on the screen.

"Preview Size" will adjust how many images are displayed on the screen at a time. (set from 1 to 9)

"Start Over" will clear the screen of all images and begin a new order.

Rotate the selected image(s) clockwise or counter-clockwise.

Adjust the sharpness up or down by clicking on the appropriate button.

Adjust the brightness up or down by clicking on the appropriate button.

Adjust the contrast up or down by clicking on the appropriate button.

Add color to the selected image(s) by clicking on the appropriate button.

Save As

From the main tool bar click on the write to disc icon:

Save As Icon

Options

Use original file name

If this option is checked the images will be saved using the original file names. File name prefix will then have no effect.

File Name Prefix

The string entered in this box will be appended at the beginning of the normal Pakon file names. Inserting "ROLLID" will put the   order's roll ID in the name of the saved file. Inserting "COUNT" will add the count of each picture within the order. For example, the first image in an order will be numbered "01" even if it has an index number of 04.

For example, if "File name prefix" box contains "COUNT_ROLLID_Pakon_", and the roll ID is 5625, this is how images will be saved to disk.

An image that would otherwise be named AAA004 would become "01_5625_Pakon_AAA004.jpg". The next image would be named "02_5625_Pakon_AAA005.jpg"

Root Directory

This is the path where the selected images will be saved.

Create Subdirectory for each Roll ID

This will create a sub folder for each unique Roll ID within the order.

Save as RAW

This will save the image without any color correction. The image will appear as a negative.

Selected Pictures Only

This will save the selected images in the order. If this is not checked all images in the order, except rejected images, will be saved.

Image Settings

Change these options to save the images as different file types, different sizes, and different compression schemes.

Use Scanned Resolution

This will save the image at it's native resolution. No scaling or resampling will occur.

Don't Scale Up

Will any scaling up to fit a larger size.

Height

Sets the height of the output image, measured in pixels. The width will be set appropriately to preserve the aspect ratio.

Available options are TIFF, Bitmap, JPEG, and EXIF JPEG.

Quality

Changes the compression ratio for the JPEG images. Higher numbers cause better image quality but less compression. Lower number cause lower image quality but higher compression.

Calibration Wizard

From the PSI main menu, select **Scanner->Calibration Wizard** to open the Calibration Wizard dialog box.

The "Calibration Wizard" has three options for calibration.

Track Test

The track test should be run if DX code reading performance has degraded. It should be run after cleaning the film track. The operator will be prompted to insert a color negative film strip for the track test. It is recommended to insert the film with the DX codes towards the back of the scanner with the lowest number first.

Gain Test

This test should be run if images are exhibiting banding or improper color balance. The operator will not have to insert film for this test.

Cleaning the F-135 Film Track

It is recommended to clean the film track every two weeks, along with the illumination cleaning. Keeping the film track clean will ensure that DX code reading remains reliable. It will also maintain the proper motor speed for each resolution. We recommend ensuring the film is clean before putting it into the scanner.

1.) Position the tip of the compressed air hose in the film track entrance, and blow, moving the hose up and down while blowing inside.

2.) Clean the outside film track area of scanner cover.

3.) Run the Film Track Test.

Trouble Shooting

Images

Stretched Images: Clean the film track and run the "Gain Test."

Lines In Images: Clean dust from inside of scanner and film track. Run the "Gain Test."

Scanning Stops Prematurely: Use "Tools" menu and select "Advance Film" and then "Stop..." Run the "Gain Test."

Motor Runs After Scanning: Use "Tools" menu and "Stop Advance Film." Select correct film and strip type. Run "Gain Test."

Error Codes:

(Compiled from discussions)

"Failed to detect scanner" or "No Scanner detected": See error 135 and 165. VM's, need to run "Install guest additions" from device menu when VM is guest to a Windows host. Mac's do this automatically, but a reboot of VM may be required. Don't have scanner connected to PC prior to installing the driver, and only connect and turn on after WinXP fully booted up.

"Error reading initialization file": Unzip the PakonUpdate.zip before initiating install.

Motor running fast after cleaning inside of scanner: The connector for the motor was installed backwards. Turn it around and reconnect.

114: Only scanning for 4 and 8 base, not 16 base: " So I went into the BIOS and made a few changes there. And the result was a perfectly running scanner at all 3 resolutions!" RAM/Memory timing is set too fast. Set back to normal default settings.

**129** or 0x2000000 "Film in guides (135) 0x40000100": Make sure to choose number of frames per strip (default is 4 I believe, and may need to change to 6?). You are putting film in before flashing green LED for film indicator. Or, you are trying to scan pano wide or half frames and or wrong film framing settings, or type selected. Or, there's a piece of film blocking the sensor that detects when film is present, or sensor is dirty or gone bad. Clean film track and run a "Gain Test" and "Track Test" after cleaning.

135: Related to 165, corrupt driver due to install with scanner connected to PC. Also, seems to be a catch-all number for software reported errors with (135) or (165) and logs showing missing files (created after a scan or before) and other processes being stopped due to software call to stop the process due to an error found. See the error logs for more help.

149: Download pakon-error149-fix.zip and apply fix.

162: Invalid save location selected for image output.

165: Scanner driver is corrupted and needs repaired by initiating a reinstall by running c:\...\fx35install\setup.exe and select "Repair" with scanner disconnected from computer system. Reboot after install and with WinXP fully booted up, connect scanner and turn on. Start PSI and check operation.

186: Using enable B&W script on non-plus for TLX caused error. Reinstall scanner driver to rest registry to default settings (see error 165).

218: Power supply failing or bad, with red stats LED on scanner. Requires 15V with min. 4A or above.

1003: See the 10T Error doc in files section for errors 1002 - 1006 or get the doc from link at end of this section. I believe any error that interrupts scan due to hardware or software faults being detected will result in the data flow from scanner to PC to stop will produce one of the USB errors in this range. Check error logs for hardware faults/errors, and for missing files/or can't create a file... this generally means software install is not right, or repair the install with either repair or uninstall and reinstall with scanner off and USB cable not

turning scanner on. The manual say to attach grounding strap to film track. This prevent static shock from tripping up USB I/O communications and causing "Lost Sync" between PC and scanner. Other things like interrupted read/writes to hard drive where scanner is not able stream a steady stream to the hard drive will result in an error check failure. This seems to happen more on Mac's for some reason. The other issue is with VM's not having a fixed disk size set when creating the drive. Dynamically allocated disk space is known to cause this issue, and changing it to a fixed size has been known to fix the error. I have set the PakonScanXP.ova VM to use the SCSI controller. This way there is less a chance of any read/writes being delayed during any one cycle of the CPU. Often the error is only resolved with dedicated Windows XP system.

1004 "Invalid Packet Type" with error 165 I/O control...": (See error 165 too). A direct connection from scanner to computer system is required. No USB hubs or non-direct ports coming right off the computers mainboard that use internal ribbon cables. On say a Mac Air, use 2.0 USB-C to 2.0 USB-B Printer cable and test with and without dongle if getting this error.

There is a new doc in files section for error code troubleshooting.
https://drive.google.com/file/d/0B3...

More info on error codes here:

Must become a member of https://www.facebook.com/groups/PakonF135/ to view this link.

Link:

https://www.facebook.com/notes/657750677577306/Error%20Codes/676009045751469/

Hint:

Open a new post on the group's discussion page for help or just to show off your scans.

Rough Draft...

by C.J.