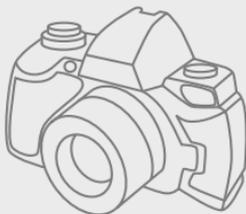
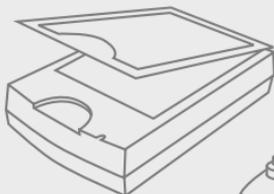
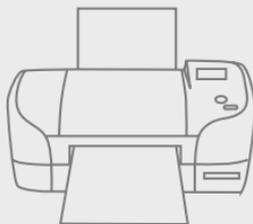


# SilverFast®

English



48  
Bit



SilverFast the Digital Power Tool

## SilverFast® Software-Licence Agreement

Do not open the software package or use this software until you have read and agreed to the terms and conditions of this software-licence Agreement! If you do not accept these terms and conditions, please leave the software in its packaging untouched and send it back to LaserSoft Imaging immediately! SilverFast (trademark) is a software package comprising software and user manual for a method of generating scans for the subsequent production of color separations and printing images. LaserSoft Imaging ("LS Imaging") has developed the software and owns all rights of it:

### 1. Copyright

- (1) The user and licensee acknowledges that the copyright of the software in both source and object code form is owned by LS Imaging.
- (2) Manual and other documentation are protected by copyright. Illegal usage, also of the images of the manual, will cause claim for damages.

### 2. Licence

- (1) LS Imaging grants the licensee an exclusive and non-transferable licence to use the software object code and user manual for his or her own use.
- (2) This licence authorizes the use of SilverFast on a single personal computer at one time. Separate licenses are required for use on multiple processors and/or multiple sites.
- (3) The user and licensee is not allowed to copy in whole or in part SilverFast except for the purpose of making a backup copy. The licensee is neither allowed to copy in whole or in part supporting documentation supplied with SilverFast.
- (4) The software contains confidential information; this licence does not allow the licensee to change, adjust, to decompile, to disassemble or in any other way trying to find out the source code.
- (5) The licensee is not allowed to rent, lease, sublicense or loan the software. Transfer of software and documentation is possible under the condition that all software and documentation is transferred, no copy (for backup purposes) is retained and the third party accepts this Licence Agreement.

### 3. Validity

- (1) This licence will be valid from the day the software package is opened. It will be valid until the day LS Imaging or the licensee terminates this agreement.
- (2) This licence agreement may be terminated to the terms and conditions as follows:
  - (a) LS Imaging may terminate this licence upon written notice if the licensee is in breach of the agreement in whole or parts of it.
  - (b) The licensee may terminate this licence upon written notice to LS Imaging under the terms and conditions of No. 4, if he sends back the opened software package, deletes the copy on his computer and any backup copy immediately.

### 4. Warranty

- (1) SilverFast is provided "as is". LS Imaging does not warrant – neither expressed nor implied – the usefulness of the software SilverFast for a particular purpose or its merchantability or the fitness for licensee's requirements. Although every effort has been made to eliminate errors, LaserSoft Imaging AG does not warrant that SilverFast is free of errors.
- (2) The licensee has to examine the software for considerable, recognizable defects within 14 days. These defects must be notified to LS Imaging in writing. Hidden defects are to be notified upon recognition in writing. Otherwise software and documentation are approved without reserve.
- (3) At considerable defects LS Imaging has the choice of either providing the licensee with another version or to eliminate the defect within reasonable time. If LS Imaging is not able to allow use of the software within this time, the licensee may reduce compensation or terminate this contract.
- (4) Upon assertion of warranty the licensee is obliged to send back software and receipt at the costs of LS Imaging.

### 5. Limitation of Liability

In no event shall LS Imaging, a distributor or authorized dealer be liable for any direct, indirect or consequential damages including economic loss even if LS Imaging, the distributor or authorized dealer has been advised of the possibility of such damage. The licensee agrees that any liability of LS Imaging arising out of the usage of SilverFast whether in contract or in tort shall not exceed the amount paid by the licensee for the software involved.

### 6. Trademarks

SilverFast and the trademarks mentioned in the documentation are (registered) trademarks of LS Imaging or their respective owners. The usage of these trademarks, logos, documentation, screenshots can only be allowed by LS Imaging or the respective owners. Illegal usage will cause claim for damages.

### 7. Ineffective Provisions

Should individual provisions of this contract, for any reason, found to be or become ineffective, or should a fulfillment discrepancy arise, then notwithstanding this agreement shall remain in full force. A provision that is closest in the scope of the legal possibilities of what the parties intended - or if they had considered the provision would have wanted - shall replace the ineffective provision or the fulfillment discrepancy, if necessary retrospectively.

### 8. Amendments

Amendments of this Agreement have to be in writing.

### 9. Applicable Law

Applicable law is the German law; the United Convention of the International Sales of Goods (CISG) is hereby expressly excluded.

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## Contents

SilverFast® Software-Licence Agreement	2
<b>Introduction</b>	<b>3</b>
<b>SilverFast Multi-DVD</b>	<b>4</b>
<b>Package contents</b>	<b>4</b>
<b>SilverFast Archive Suite / Archive Suite SE</b>	<b>4</b>
Package contents	4
<b>Activation – Installation – Start – Serialization</b>	<b>4</b>
Activate Reseller Key and register SilverFast	5
Installation of SilverFast	6
Starting SilverFast	7
Serialization	7
<b>SilverFast Product Family</b>	<b>8</b>
SilverFast Ai for scanners	8
SilverFast HDR for effective optimization of scanner raw data	8
SilverFast DC for digital cameras	9
SilverFast PrinTao for print and layout	9
<b>Concept of SilverFast</b>	<b>10</b>
<b>Workflow with SilverFast</b>	<b>12</b>
ScanPilot in SilverFast	12
Patented, fully-automatic calibration of a scanner using SilverFast Ai IT8 (optional)	13
Scanning slides using SilverFast Ai	14
Scanning negatives using SilverFast	17
Scanning prints using SilverFast	18
Scanning magazines and raster originals using SilverFast Ai	19
Calibrating an RGB printer using SilverFast Ai IT8 Printer Calibration	20
SilverFast Archive Suite (SE*) for fast digitalization of multiple images	21
Workflow with raw data scans in SilverFast Archive Suite*	22
<b>User Interfaces</b>	<b>24</b>
User Interfaces for SilverFast SE and SE Plus	24
User Interfaces for SilverFast Ai and SilverFast Ai Studio	26
User Interfaces for SilverFast DC and SilverFast HDR versions	29
User Interfaces for SilverFast PrinTao	31

## Introduction



*SilverFast Ai* is now in its fourteen year after its introduction in 1995. By now *SilverFast* has received so much recognition world-wide that some already call *SilverFast* “The Standard” for scan software. That is a great compliment but nothing we intend to rest upon!

*SilverFast* has made professional color scanning truly manageable and results predictable.

*Karl-Heinz Zahorsky*

President and founder of *LaserSoft Imaging AG*

Kiel, August 2009

## SilverFast Multi-DVD

### Package contents

The contents of your DVD box will vary according to the version of *SilverFast* you have purchased. As well as the installation DVDs that are always included, the box may also contain printed enclosures, IT8 targets and additional CDs or DVDs.



## SilverFast Archive Suite / Archive Suite SE

### Package contents

Both Archive Suites contain always two CDs or DVDs.

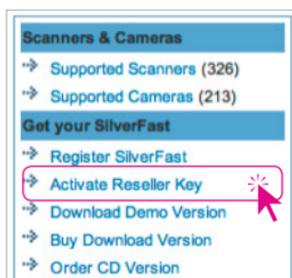
One comes with the installer for the scanning software (*SilverFast Ai Studio*, *SE Plus* resp.) and one with the image processing software (*SilverFast HDR Studio*, *SilverFast HDR* resp.).

## Activation – Installation – Start – Serialization

Please go on with "Installation of *SilverFast*", page 6, if you bought *SilverFast* directly, e.g. online from *LaserSoft Imaging*, and skip the next chapter.

Together with the purchased documents you may have received a *reseller key*, rather than the normal *SilverFast* serial number. This *reseller key* has 32 digits and must be converted into a *SilverFast* serial number before using *SilverFast*.

Conversion of the *reseller key* into a *SilverFast* serial number is carried out on the *LaserSoft Imaging* website, at the following link:



<https://www.silverfast.com/regkey/en.html>

## Activate Reseller Key and register SilverFast

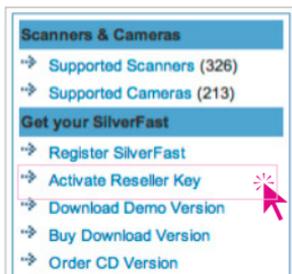
To activate your *SilverFast* version you will need a 30-digit serial number. This product serial number will be provided to you by activating and registering at the website of *LaserSoft Imaging* according to the following steps:

1. Go to *LaserSoft Imaging* homepage  
Via [www.silverfast.com](http://www.silverfast.com) you will get to the website of *LaserSoft Imaging*.



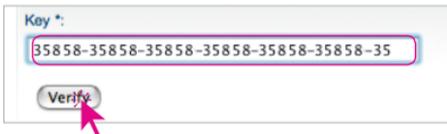
2. Activate *Reseller Key*

At the left side please locate "Activate Reseller Key" at the section "Get your SilverFast". Please click.



3. Enter *Reseller Key*

Enter the *reseller key* which you have received from your *SilverFast* reseller. Then click "Verify".



4. Register

To register *SilverFast*, enter the data requested into the new dialogue box. The highlighted fields are mandatory and must be filled with the requested information.

First Name:	John
Last Name:	Brown
Country:	United Kingdom
Email:	123@XYZ..uk
optional fields:	
Company:	ABC
Address:	123 Street
City:	Town
State/Province:	
ZIP / Postal Code:	A BC12
Phone:	012345-6789
Fax:	
<input type="button" value="Register"/> <input type="button" value="Quit"/>	

5. Receipt of *SilverFast* serial number

After your registration you will receive your product serial number for your *SilverFast* version, a 30-digit serial number.

## Installation of SilverFast

Insert the *SilverFast* installation DVD (CD) into the drive. Start the DVD (CD) if it does not run automatically. Double-click on the installation program "*SilverFast InstallPilot.app*".

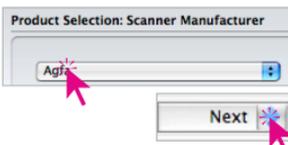


Click on the button "Install SilverFast".



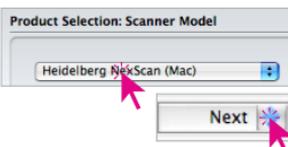
Select the manufacturer of your scanner. Please select "LaserSoft Imaging" if you purchased a *SilverFast DC* or *SilverFast HDR* version.

Click on "Next".



Select the scanner model or the *SilverFast* version.

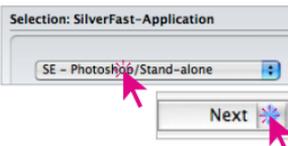
Click on "Next".



Select the type of the *SilverFast* module purchased:

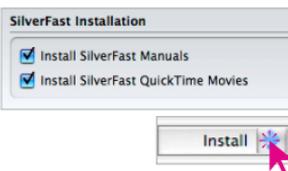
"SE" or "Ai" (for full versions).

Click on "Next".



Decide whether the *SilverFast* manuals and the *SilverFast* QuickTime movies should also be installed.

Click on "Install".



The installation parameters are now set and the actual installation process can begin. Follow the installation instructions of the operating system. Make sure that you have all installation rights (root or administrator) for your computer.

Finish the installation process under "Quit".



## Starting SilverFast

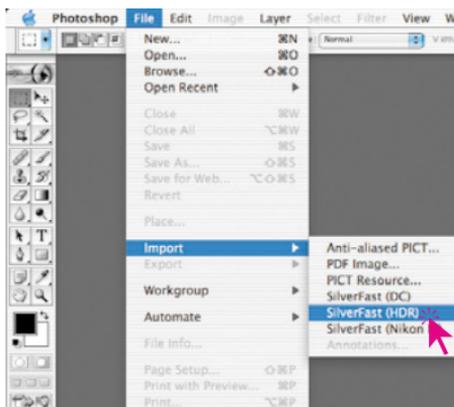
**Start from SFLauncher:** Start *SFLauncher* by double-clicking the application.

Choose the installed *SilverFast* version with a mouse-click on the appropriate palette.

*SilverFast* will start as usual.



**Start from Photoshop:** Start Photoshop and select your *SilverFast* version under “Import” in the “File” menu.

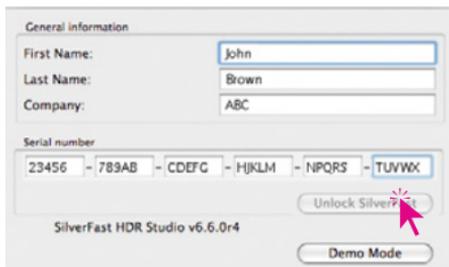


## Serialization

The main dialogue comes up with the serialization dialogue, where you input your first name, last name, company and the serial number.

This code consists of numbers between 2 and 9 (no ones and no zeros) and all letters between A and Z – except the letters “i” and “o”.

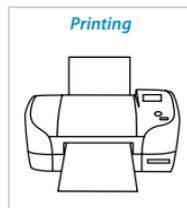
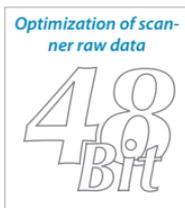
Click “Unlock SilverFast” once you have entered all data.



The installations CD/DVD must be in the optical drive before and during this step.

## SilverFast Product Family

The *SilverFast* product family developed by *LaserSoft Imaging AG* contains software solutions for the following four application areas:



The *SilverFast* versions are modular. A range of different configuration levels are offered for each area: *SE* versions for beginners, *Ai* versions for professionals and *Studio* versions for expert users.

### SilverFast Ai for scanners

As high-end scanning software, *SilverFast Ai* is individually matched to the hardware of more than 300 scanners and can therefore bring out the maximum quality of each device, regardless of whether it is a film scanner, flat bed scanner or a drum scanner. Although *SilverFast Ai* has been developed for professional scanning, software operation is so simple that even beginners can produce brilliant pictures with the assistance of the integrated automatic functions. *SilverFast Ai* can be operated as an independent stand-alone application (*SF Launcher*), or as a Photoshop plug-in. It is available for both Apple Macintosh and Windows. *SilverFast Ai* can be optionally upgraded with an *IT8 calibration set*.

In addition the *SilverFast Archive Suites* contain a *SilverFast HDR* version to establish a high quality and time-optimized workflow.

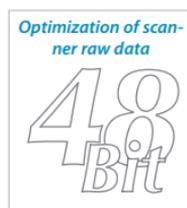


### SilverFast HDR for effective optimization of scanner raw data

*SilverFast HDR* is a high-end image processing software for handling 48Bit raw data scans.

In order to save data with a maximum dynamic range (HDR-High Dynamic Range), the 48Bit TIFF format has been specified. 48Bit data always contains all of the details a scanner can reproduce in their entirety.

Instead of accessing the scanner directly with scanning software such as *Ai*, with *HDR* scans that already exist in raw format are processed as if they are coming directly from the scanner. All *SilverFast* tools can be fully operated in 48Bit mode.



### SilverFast DC for digital cameras

*SilverFast DC* is a comprehensive stand-alone software solution for digital cameras to generate brilliant and technically convincing images. All necessary functions - from input, through processing, to printing output - are included. *SilverFast* does everything. Even conversion of raw data becomes child's play.

The *virtual light table*, provided in all *DC* versions, is an indispensable working platform for every photographer wishing to organize, manage and process digital images in an uncomplicated way. Here, just like in a real photographic laboratory, photo archives can be generated, images can be marked with comments, albums can be created, contact sheets of the whole work space can be produced and individual images can be printed in high resolution and variable sizes.

Digital cameras

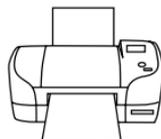


### SilverFast PrinTao for print and layout

*SilverFast PrinTao* enables quick printing of images up to proof quality with the minimum number of steps. Direct printing of contact sheets and user-defined layouts with color proof output simplifies many tasks that would otherwise have to pass through several applications.

*SilverFast PrinTao* is a superior printing software. The use of templates reduces the number of repetitious processing steps. A number of pre-defined templates is provided in *SilverFast PrinTao* and can be supplemented with user-defined templates.

Printing



Short introduction of *SilverFast Ai* - a QuickTime movie on the website



<http://www.silverfast.com/sf/ai-workflow>

## Concept of *SilverFast*

The basic ideas behind *SilverFast* are an overarching preview and workflow concept, coupled with professional implementation of a continuous color management system. All necessary and possible image corrections and optimizations are carried out in real time on a maximum size full-screen preview image. Corrections are applied by exploiting the maximum color depth of the connected scanner or the already opened image (*HDR*, *DC*). If the system's color management is prepared correctly (for example, if an individual ICC profile has been created for the scanner with the fully-automatic *IT8* calibration), the final scan result is predictably precise.

Before the scan is released (*SilverFast SE* and *Ai*) or before the rendering process begins (*SilverFast DC* and *HDR*), the *SilverFast* user knows exactly what the completed scans and images will look like at the end.

With *SilverFast*, the supreme rule of digitization and image processing is implemented in an easy, efficient and goal-oriented manner:

“Everything that has not been saved during the process of image capture or digitization from the original to the image file, is lost forever!  
Nothing can recover it.”

In the *SilverFast Archive Suite* (*Archive Suite SE*), a combination of *SilverFast Ai IT8 Studio* (*SE Plus*) and *HDR Studio* (*HDR*) versions, it is possible to establish a workflow for digitizing multiple images and archives in a supremely efficient and time-saving way. Due to the 48Bit workflow, the hardware-based scanning procedure is completely separated from the image optimization process. Fully-automatic processes, such as *HiRePP* or gamma-synchronization, run in the background, thus providing maximum quality with minimal time demands on the user.



<http://www.silverfast.com/sf/archive-workflow>

## QuickTime-Tutorials, documentation and further help

Due to limited space, this documentation can only give an overview and a short introduction to *SilverFast*. However, a complete installation of *SilverFast* will give you extensive help directly from the software:

- QuickTime movies in each dialogue, launched with the blue button
- PDF documentation, accessible using the question mark buttons

A rich source of additional information is available on the website of *LaserSoft Imaging*:

- Downloadable PDF documentation:  
<http://www.silverfast.com/documentation/en.html>
- QuickTime training movies:  
<http://www.silverfast.com/mov/en.html>
- User forum:  
<http://forum.silverfast.com>

You can also find many publications dealing wholly or partly with *SilverFast*, on the internet, in bookshops or at newsagents. For example:

- Taz Tally, Ph.D.; *SilverFast® - The Official Guide*  
Scan and edit with *SilverFast Ai, SE, DC, HDR or PhotoCD*.  
(320pp, paperback; Sybex)  
<http://www.silverfast.com/show/sf-official-guide/en.html>
- David B. Brooks; *How to scan Photos with LaserSoft SilverFast SE 6*  
<http://www.silverfast.com/showdocu/en.html?docu=1004>
- Ian Lyons; *LaserSoft SilverFast Tutorials*  
[http://www.computer-darkroom.com/sf5\\_contents.htm](http://www.computer-darkroom.com/sf5_contents.htm)



## Workflow with SilverFast

The following pages provide an insight into the workflow and typical application range of *SilverFast* products.

### ScanPilot in SilverFast



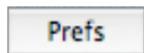
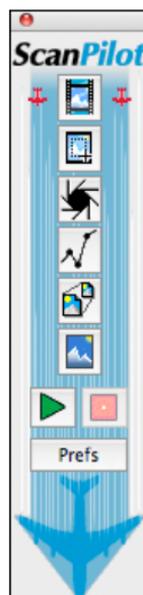
When starting *SilverFast* for the first time, you will be welcomed by *ScanPilot*. Like an autopilot, it will lead you through the whole workflow right up to the final scan. *ScanPilot* can be shown or hidden using the red aeroplane button on the preview window.



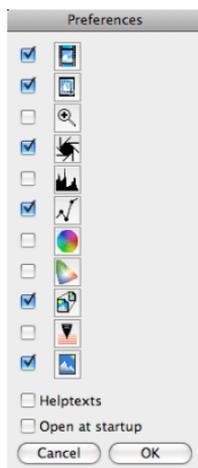
If you click the green start button, the preset steps in the vertical toolbar are taken over by *ScanPilot*. The example shows prescan, frame setting (you can decide which section shall be scanned), auto-adjust, correcting gradation, setting scaling and ultimately the final scan. Your original is scanned following these steps.



You can halt the process using the red stop button at any time, to manually engage and use the tools from the main dialogue of *SilverFast* directly.



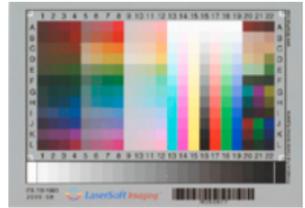
If you click on the *Prefs* button, you can change the list of tools applied or accessed by *ScanPilot*, by clicking on the check-box next to the relevant tool. *ScanPilot* shows the optimal (professional) order for the tools.



## Patented, fully-automatic calibration of a scanner using *SilverFast Ai IT8* (optional)

The “Auto IT8” function, optionally available for many scanners, allows precise, fast and fully automatic IT8 calibration, with only two mouse-clicks. The workflow could not be simpler.

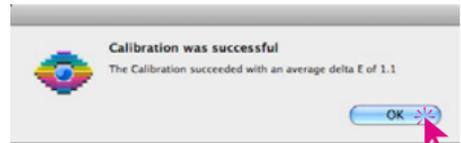
- The bar-coded IT8 target of *LaserSoft Imaging* is placed on the scanner.



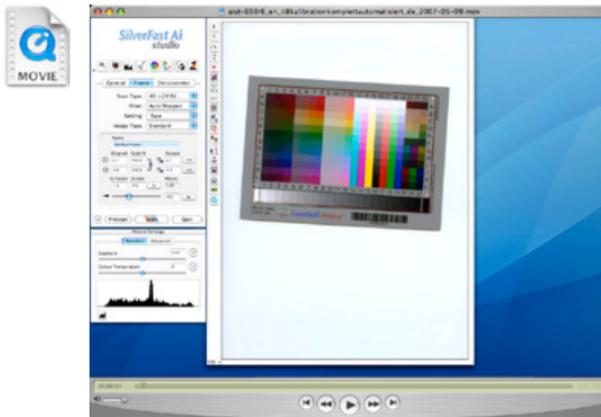
- By clicking the IT8 button when *SilverFast* is active, *SilverFast* calibrates the scanner fully automatically and reports at the end via a confirmation dialogue.



- The new scanner ICC profile is saved by clicking on “OK”. Now *SilverFast* activates a new profile in its presets and updates the prescan.

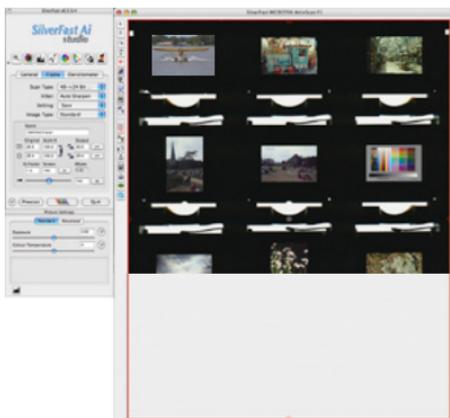


Detailed information can be found on our website [www.SilverFast.com](http://www.SilverFast.com), in the manual and its addendum, or you can look on the web, for example watching the QuickTime movie:



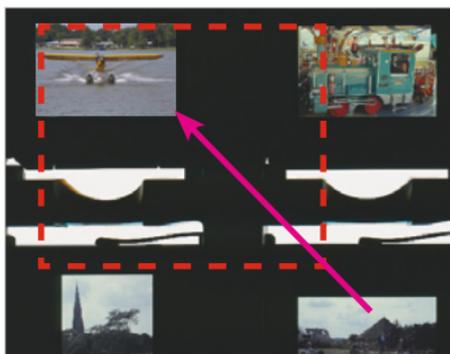
## Scanning slides using *SilverFast Ai*

Put the loaded slide tray on the scanner. Start *SilverFast* in transparency mode and generate a preview of the whole scan area, using "Prescan".



The large red scan frame can be made smaller by dragging the edges and corners with the mouse.

Position the scan frame within (!) the image area of the first slide to be scanned.



By clicking on the zoom button, the selection is enlarged to fill the available area of the monitor.

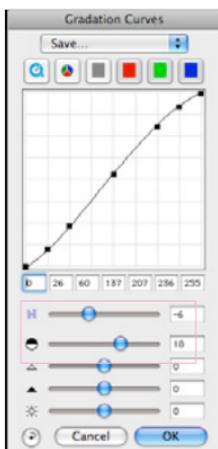
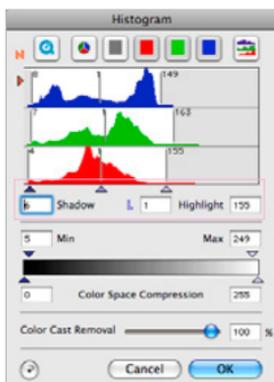


Position the frame over the important part of the image and click on “Auto-adjust”.

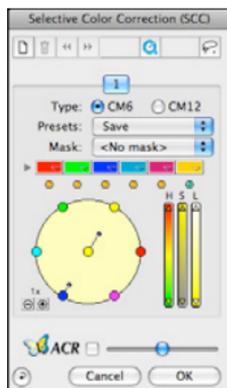
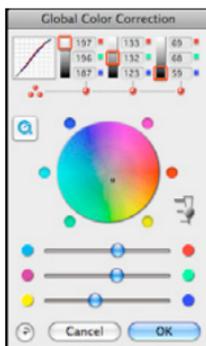


“Auto-adjust” works in a similar way to the exposure measurement in photography. It exposes the scan accurately and sets the high-light or shadow point correctly. You can assess the expected effects comfortably in the large preview window.

The image can easily be readjusted or precisely optimised in real time, using the histogram or gradation buttons.



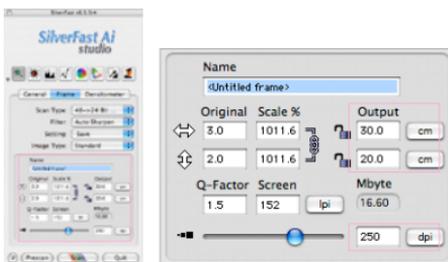
For even more advanced color changes, “Global Color Correction” or the extremely comprehensive “Selective Color Correction” are available.



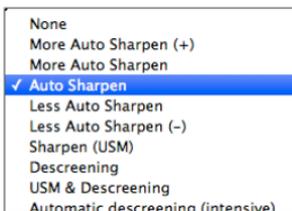
The scan frame of the final image selection is determined by dragging and dropping the corners and edges using the mouse.



Now only the image size and output resolution need to be set. In this example, the slide shall be enlarged to approximately 20 x 30 cm at 250 ppi.



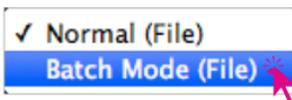
Under "Filter", the sharpening filters can be activated, for example "Auto Sharpen" which adjusts to the resolution of the image.



If only a single slide is to be scanned, then the digitalization process can be started using the "Scan" button.



For scanning several slides from the same slide tray, batch mode is recommended. Batch Mode can be activated on the "General" palette under "Scan Mode/Batch Mode (File)".



By clicking on the "Zoom" button, SilverFast opens the over-all layout in the preview window.



Now a second scan frame can be placed over the next slide to be scanned, by drag-dropping with the mouse.

Optimization parameters are set for the new slide in the same way as for the first. All slides in the tray can be processed quickly and simply in this way, without leaving preview.

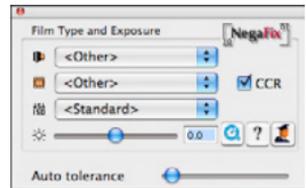
Batch scanning is activated at the end, using the "Scan" button.

## Scanning negatives using *SilverFast*

Scanning negatives, in particular color negatives, is a challenge. Negatives must be converted into a normal recognizable positive before starting the actual image optimization. Color negatives must be relieved of the orange-red coloration of the film base before being masked.

*SilverFast* includes a converter that combines both in one dialogue. The converter is called “*NegaFix*” and opens when in the “General” palette, changing “Pos./Neg.” to “Negative”.

The *NegaFix* dialogue includes conversion profiles for color and black-and-white films from most well-known manufacturers.



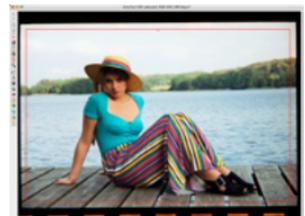
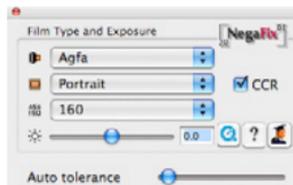
First, a preview scan must be activated. Then, the red scan frame must be positioned within the image and has then to be enlarged to select the area to be scanned. The color negative is still visible as a negative, with an orange mask.



Now switch to “Negative” in the “General” palette. The *NegaFix* dialogue opens and the large preview image changes to a positive. If the overall impression of color is still wrong, color cast can be neutralised by selecting manufacturer, film type and film speed from the menu. Here, you can switch freely between the different choices, until the large preview image is satisfactory.



As you are only switching between mathematical profiles, it does not make any difference whether, for example, a Kodak film has been corrected, using a completely different film profile. Only the visible end result counts.



Full versions of *SilverFast* include *Expert Mode*, which easily allows personalised *NegaFix* profiles to be generated and saved, in addition to the standard film profiles.



Now, one can carry on using the normal *SilverFast* tools, as for scanning slides.

## Scanning prints using *SilverFast*

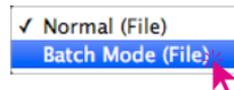
In principle, the same steps as for scanning slides are used to scan prints, paintings or other non-transparent materials. The difference lies in the material. Non-transparent objects are scanned in the “Reflective” mode, activated in the “General” palette under “Original”.



### Summary of the scanning cycle:

1. Update IT8 calibration of the scanner (once weekly to once monthly)
2. Position print/original on the scanner
3. Refresh the preview scan
4. Enlarge the scan frame in the scan original over the most important sections
5. Use zoom (if required)
6. Apply auto-adjust
7. Fine adjustment (if required) with histogram/gradation
8. Global or selective color correction (if required)
9. Drag the scan frame to select the final image
10. Enter file name, image size and output resolution
11. Activate sharpening filter; set manually if necessary
12. Start scan and set target directory and file format

If there is space for several prints on the flatbed of the scanner, it is recommended to use batch mode. It is set up on the “General” palette under “Scan mode/Batch Mode (File)”.



### Tip: Fast duplicating of scan frame with identical parameters

Copying a scan frame, including all of its adjusted optimization parameters, is simple. With the “Alt” key pressed, click next to the active red scan frame in the preview window. This generates a copy of the frame, which can be dragged on to the next image.

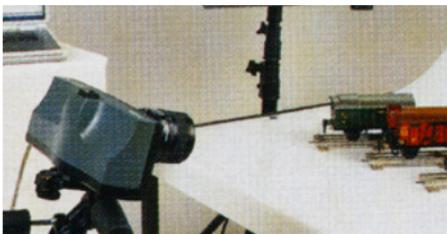
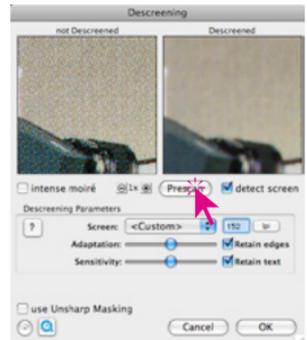
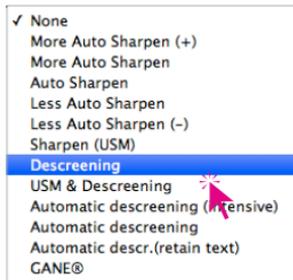
## Scanning magazines and screened originals using *SilverFast Ai*

However beautiful and brilliant a picture might appear in a newspaper or magazine, if it is examined under a magnifying glass, the accumulation of fine monochromatic color-points suddenly “resolves” into a print raster of cyan, magenta, yellow and black. Generating an image with a continuous tone from such a print raster is a skilled scanning task. This “descreening” process is largely automated in *SilverFast Plus* and *Studio*. The printing screen is identified automatically. Black and white text can be optimized separately in *SilverFast*, so that both image and text look perfect in the final scan.



### “Descreening” process in detail

1. Update IT8 calibration of the scanner (once weekly to once monthly)
2. Position newspaper photo on the scan area
3. Generate preview scan
4. Position scan frame and determine the final scan selection.
5. Apply auto-adjust
6. Fine adjustment (if required) with histogram/gradation
7. Global or selective color correction (if required)
8. Enter file name. Leave scaling/image size at 100% (maximum up to around 200%). Set output resolution (200 to 300 ppi)
9. Activate one of the automatic descreening filters on the “Frame” palette or as shown here in “Descreening”. Activate screen, frame and text detection. Click on “Preview” and then on an as homogeneous area as possible within the image. Readjust if required.
10. Start scan and set target directory and file format.



## Calibrating an RGB printer using *SilverFast Ai IT8 PrinterCalibration*

Output/printer calibration is the final step in ensuring for color consistency and replicability in the workflow. A flat bed scanner is used as a measuring device. Printer calibration is an option in *SilverFast Ai IT8/AiIT8 Studio* for many scanners.

### Workflow of printer calibration

#### 1. Printer preparation

Clean ink jets, insert paper

Note down the optimal printer driver and paper settings



#### 2. Scanner preparation

Perform IT8 calibration



#### 3. Launch printer profiling wizard

Enter printer and paper details

Click on "Print printer-profiling target"

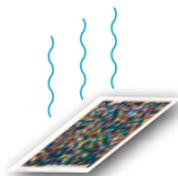
De-activate the printer's internal color management (Important !)

Select paper type settings

Print the profiling target



#### 4. Let the printer target dry! (See paper manufacturer's instructions "optimal dry time")



#### 5. If needed, re-launch the printer profiling wizard

Prepare scanner

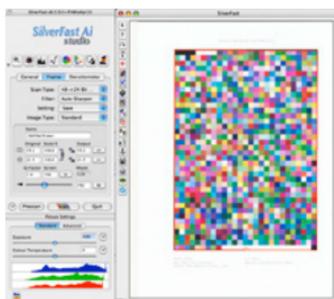
Warm up the lamp, position the target and additional pieces of the same paper on the scan bed.

Scan the target

Measure the target

Name and save the ICC profile

Keep the target safe in the paper box



#### 6. Test the ICC profile and adjust it with the profile editor, if necessary

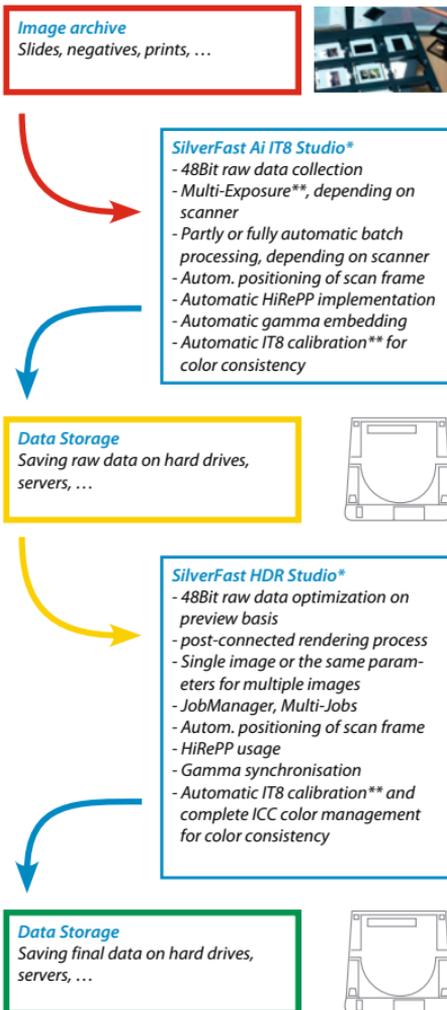


## SilverFast Archive Suite (SE\*) for fast digitalization of multiple images

The goal of *SilverFast Archive Suite (Archive Suite SE\*)* is to make digitalization of big picture archives in an efficient and time-saving process. The hardware-based scanning procedure is completely separated from the image optimization process. First step is to generate RAW data scans using the scanning software. In a second step the RAW data scans were optimized – with full color management, maximum quality and fastest operation speed.

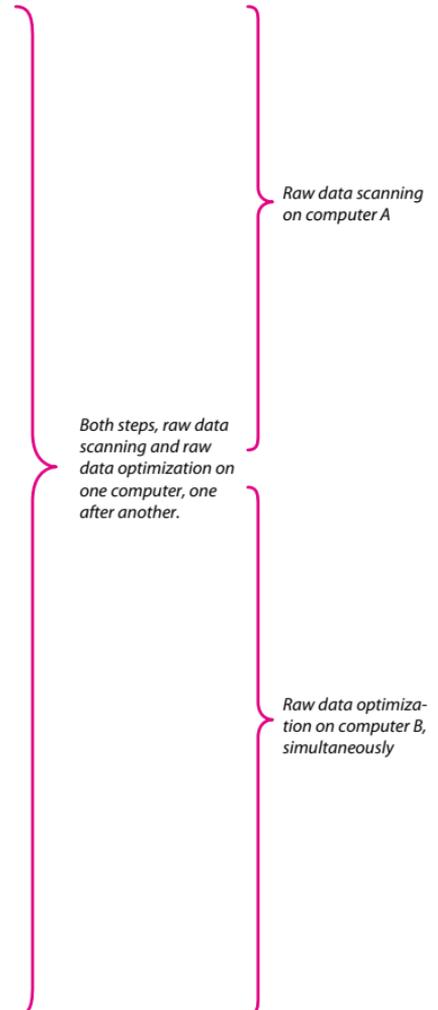
\* For simplification purposes the next pages (21-23) are related to Archive Suite only. The informations are, with exceptions(\*\*), valid for Archive Suite SE too.

### Workflow principle



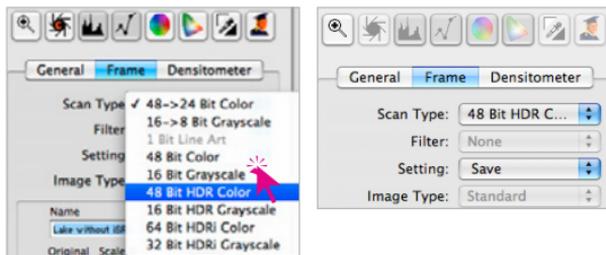
### Local workflow

### Dispersed workflow



## Workflow with raw data scans in SilverFast Archive Suite\*

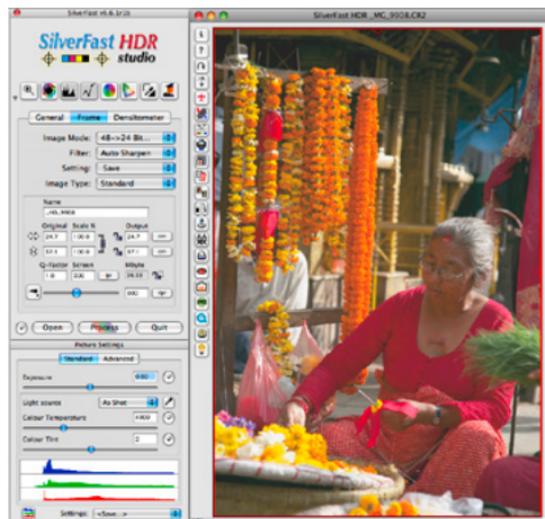
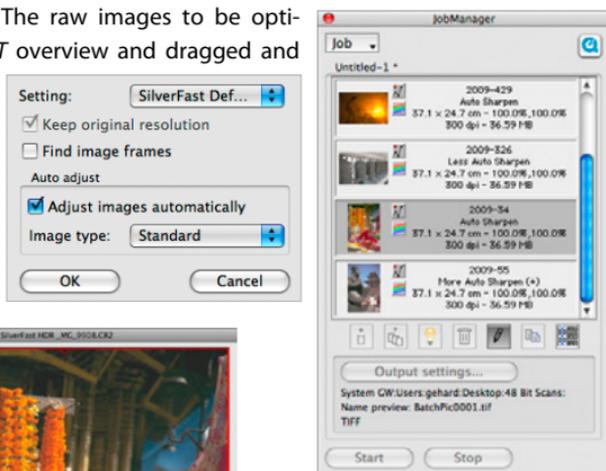
First of all, raw data scans are produced using *SilverFast Ai Studio\**, as "64Bit HDRi Color" (for transparencies, depending on scanner) or "48Bit HDR color" scans. If this scan type is activated, all tools in the tool bar are automatically deactivated. The only additional parameters that can now be set are: the required output resolution and *Multi-Exposure*.



The directory for the raw data scans is opened in the overview window of the VLT (virtual light table) of *SilverFast HDR*.



Now *JobManager* is started. The raw images to be optimized are selected in the *VLT* overview and dragged and dropped with the mouse into *JobManager*. During the import process, it is possible to apply previously configured parameters or simply auto-adjust to the images to be imported.



By double-clicking on the image to be processed in *JobManager*, the main dialogue of *SilverFast HDR* opens and *VLT* is hidden. *HiRePP* ensures that even very large files can be opened within 1 to 3 seconds.

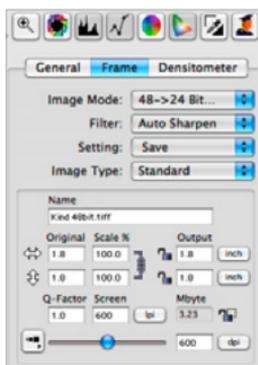


Image optimization can be carried out using the large preview window, for example with the help of the histogram dialogue, gradation settings and maybe also color corrections, followed by scaling, output resolution and finally, the sharpening filter, etc. ...

Then, the various parameters set in this way, including scaling and cropping, are written back to *JobManager*, using the "Save" button.

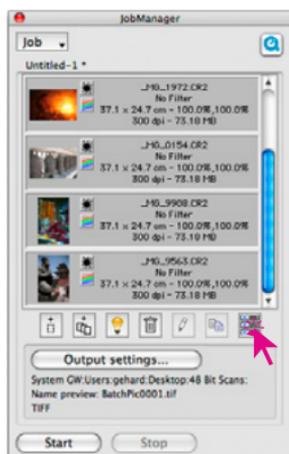
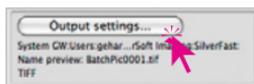


Now, the next image can be optimized and so, the entire contents of *JobManager* can be worked through in this way, image by image.

Finally, activate the images to be rendered or the entire contents of *JobManager*.



The "Output settings" button is used to set the target directory and output file format.



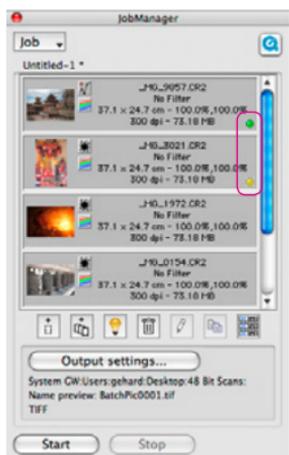
Use "Start" to execute the *Job*, the rendering process.



Only at this point does *SilverFast* read out the full file sizes, calculate them along with the set optimization parameters, and save the completed images in the target directory.

The run of the rendering process is continuously displayed in *JobManager*. Green dots indicate images that are completely rendered, while images not yet rendered are marked with a yellow dot.

At the end of the process, the raw data remains unchanged (!) at its source - as a perfect backup!



# User Interfaces

## User Interfaces for SilverFast SE and SE Plus

**Main dialogue**  
Standard mode

**Tool bar**

**Three palettes**  
General  
Frame  
Densitometer

**File name**

**Scaling**

**Output resolution**

**Start bar**

**Image settings**  
Advanced

**Preview window**

**Special functions**  
depending on hardware

**ScanPilot**  
**Densitometer**  
as a fixed palette  
or as a floating window

**Scan frame**

### Main dialogue

Basic mode

**Mode**  
Enables switching  
between Basic and  
Standard mode

Basic

Standard

SilverFast Epson v6.6.0r4a

**SilverFast Basic**

Mode: Basic

Image Mode: Photograph

Filter: Auto Sharpen

Quality: Standard Print (150 dpi)

Zoom: 25% 100% 400% cm 13.4

Output: cm 10.0

Prescan Scan Quit

### Image mode

Select type of  
original

**Filter**  
For sharpening  
images

**Quality**  
Defines  
output  
resolution

Photograph

Slide

Negative

None

More Auto Sharpen (+)

More Auto Sharpen

Auto Sharpen

Less Auto Sharpen

Less Auto Sharpen (-)

Descreening

WEB (Internet) (72 dpi)

Standard Print (150 dpi)

Photo Print (300 dpi)

**ScanPilot**  
Helps control  
workflow



### Tool bar

Standard mode

Basic

Standard

### Frame palette

General Frame Dens

General

Frame

Dens

### Scan type

Output color depth

48->24 Bit Color

16->8 Bit Grayscale

1 Bit Line Art

48 Bit Color

16 Bit Grayscale

48 Bit HDR Color

16 Bit HDR Grayscale

### Filter

For sharpening,  
descreening, ...

None

More Auto Sharpen (+)

More Auto Sharpen

Auto Sharpen

Less Auto Sharpen

Less Auto Sharpen (-)

Sharpen (USM)

Descreening

Automatic descreening (intensive)

Automatic descreening

Automatic descr.(retain text)

CANE®

### Image type

Pre-set image auto-  
adjust

Standard

Landscape

Skin tones

Cold tones

Technic

Evening

Snow

Night

H-S-Cast

Highlight Cast

Shadow Cast

### General palette

General Frame D

General

Frame

D

### Device

Search devices

USB Epson Perfection4870

### Scan mode

Normal (File)

Batch Mode (File)

### Original

Reflective

Transparency

### Pos./Neg.:

Positive

Negative

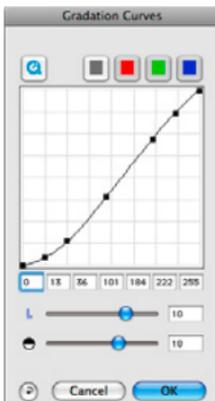
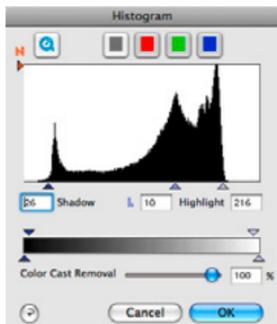
## Tool bar

 **Zoom**  
enlarges content of scan frame in preview window

 **Image auto-adjust**  
analyses content of scan frame, fits highlight, midtone and shadow and removes color casts

 **Histogram**  
displays pixel ratio

 **Gradation**  
gradation curve adjusting contrast and midtone



 **Global color correction**  
Changes overall impression of the image

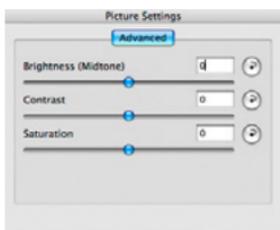
 **Selective color corr.**  
Allows correction of individual colors



 **Highlight-midtone-shadow pipette**  
Three-part button for manually setting highlight, midtone or shadow points

## Image settings

Fast correction of brightness (midtone), contrast and saturation



## Options

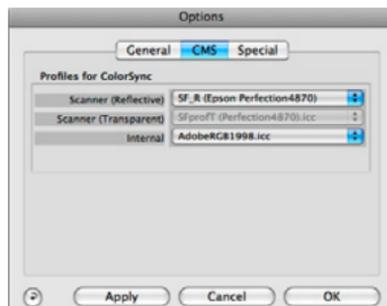
The button for preferences (defaults) is on the "General" palette

Options...

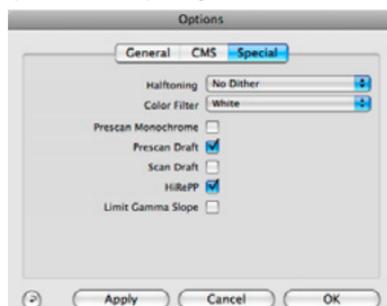
General: general preferences



CMS: Color management, selection of scanner ICC profile and RGB internal color space



Special: defaults depending on hardware



## User Interfaces for SilverFast Ai and SilverFast Ai Studio

**Main dialogue**

**Tool bar**

**Three palettes**  
 General  
 Frame  
 Densitometer

**File name**

**Scaling**

**Output resolution**

**Start bar**

**Image settings**  
 Standard  
 Extended  
 (Navigator)

**Preview window**

**Densitometer**  
 As a fixed palette or as a floating window

**Frame rotation**

**Scan frame**

**Special functions depending on hardware**

**Zoom**

### Frame palette



### Scan type

Output color depth

- 48->24 Bit Color
- 16->8 Bit Grayscale
- 1 Bit Line Art
- 48 Bit Color
- 16 Bit Grayscale
- 48 Bit HDR Color
- 16 Bit HDR Grayscale

### Filter

For sharpening, descreening, ...

- None
- More Auto Sharpen (+)
- More Auto Sharpen
- Auto Sharpen
- Less Auto Sharpen
- Less Auto Sharpen (-)
- Sharpen (USM)
- Descreening
- USM & Descreening
- Automatic descreening (intensive)
- Automatic descreening
- Automatic descr.(retain text)
- CANE®

### Setting

Saves (and loads) the image parameters of the current scan frame

- Delete...
- Save

### Image type

Pre-set image auto-adjust

- Standard
- Landscape
- Skin tones
- Gold tones
- Technic
- Evening
- Snow
- Night
- H-S-Cast
- Highlight Cast

### General palette



### Device

Device search in system bus

- Search devices
- USB Epson Perfection

### Scan mode

Single or batch scan

- Normal (File)
- Batch Mode (File)

### Original

- Reflective
- Transparency

### Pos./Neg.:

Switch between type of film

- Positive
- Kodachrome
- Negative

### Frame

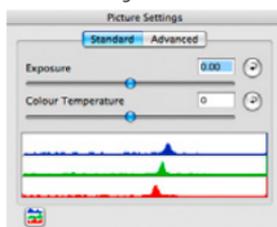
Saves (and loads) the image parameters of all scan frames

- Import
- Delete...
- Save

### Image settings

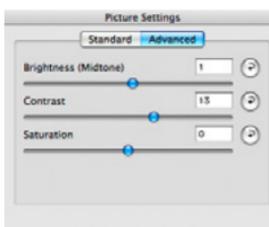
#### Standard

Changes exposure, white balance; displays output histogram



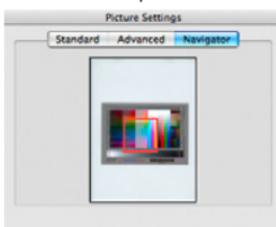
#### Extended

fast correction of brightness (midtone), contrast and saturation



#### Navigator

(Only if zoom has been selected) allows the image section to be moved within the preview window



## Tool bar



### Zoom

Enlarges content of scan frame in preview window



### Image auto-adjust

Analyses content of scan frame, fits highlight, midtone and shadow and removes color casts



### Histogram

Displays a statistic representation of tonal distribution



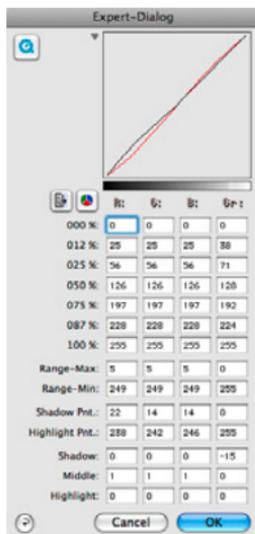
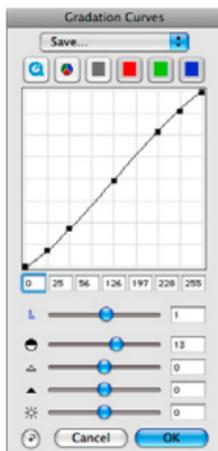
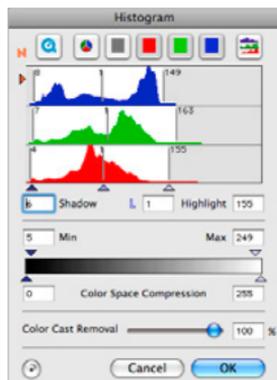
### Gradation

Gradation curve adjusting contrast and midtone



### Expert mode

Complete control of tonal value for specialists



### Global color correction

changes overall impression of the image



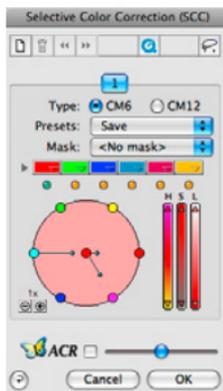
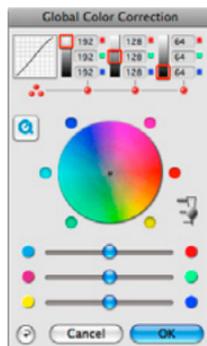
### Selective color correction

Allows correction of individual colors



### Highlight-midtone-shadow pipette

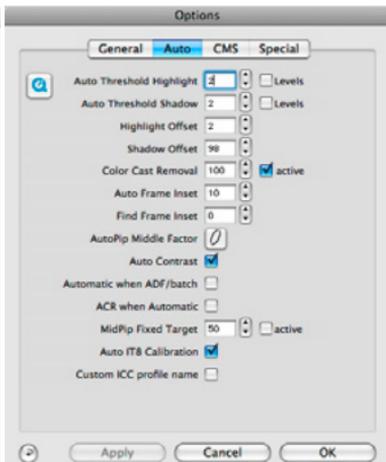
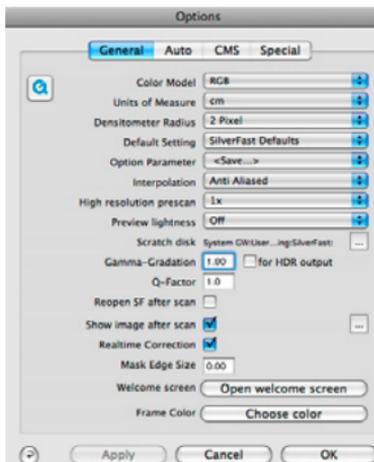
Three-part button for manually setting highlight, midtone or shadow points; double-clicking on the midtone pipette opens the dialogue



The button for the preferences (defaults) is located on the "General" palette

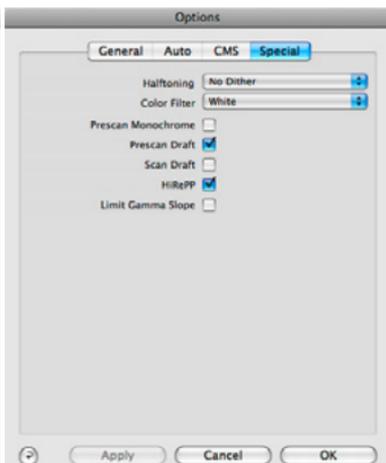
**General** : general defaults

**Auto**: parameter for image auto-adjust



**CMS** : setting for color management

**Special**: defaults (depending on hardware)



## User Interfaces for SilverFast DC and SilverFast HDR versions

### VLT

Virtual light table

Three palettes

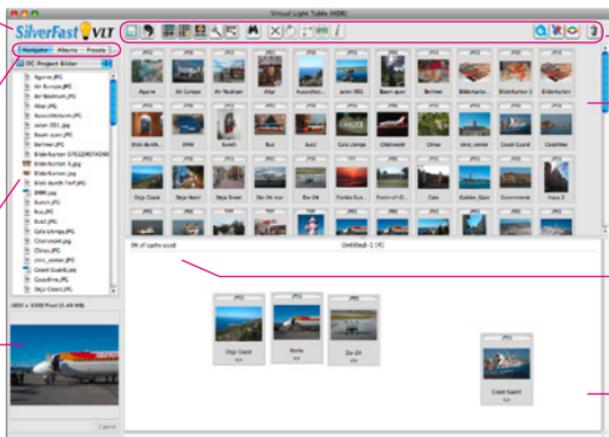
Navigator  
Album  
Presets

Browser

Current directory  
structure

Magnifier

Size adjustable



Tool bar

Overview

Displays images  
from current  
directory

Cache

Currently used  
cache size

Album

User-generated

Three palettes

Navigator

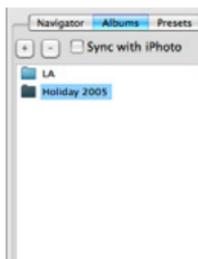
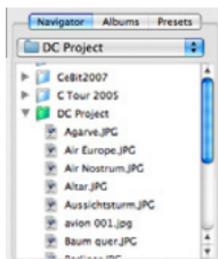
Data browser for navigating  
in the directory structure of  
the computer

Album

User-generated file  
management structure

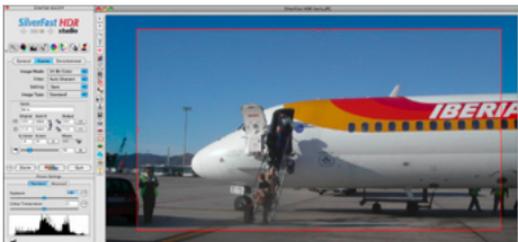
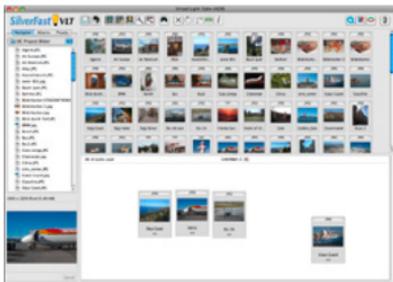
Presets

Presets for fast switching  
between different work-  
spaces/layouts in VLT



### Changing between VLT and main dialogue

Click on the eye icon (in VLT) or on the light  
bulb icon (in the main dialogue)



## Tool bar

 **Import / export**  
Unloading storage media to computer, exporting albums

Export album...  
Unload removable media...

 **Print / PrintTo**  
Opens the print dialogue "PrintTo" and prints contact sheets

Contact sheet of Overview  
Contact sheet of Album

PrintTo

 **Overview**  
Hide/show

 **Album**  
hide/show

 **Mark Images** for easy management

 **Preview mode**

Preview mode: off

Preview mode: in overview

Preview mode: in album

Preview mode: full screen

Preview mode: color

 **Trash**

clear cache and delete images in overview and album

Overview: Delete all

Overview: Delete selected

Overview: Delete unreadable

Album: Delete all

Album: Delete selected

Album: Delete marked

Cache: Delete for overview

Cache: Delete for album

Cache: Delete all

 **IPTC**

Attach image-author information

**IPTC parameters**

Section: **Caption**

Caption:

Caption Writer:

Headline:

Special Instructions:

OK  
Cancel  
Prev  
Next  
Load  
Save

 **EXIF information**

Of the current image

**Exif Info**

Image description	MINOLTA DIGITAL CAMERA
Manufacturer of input device	Minolta Co., Ltd.
Model	DIMAGE F160
X resolution	72/1
Y resolution	72/1
Resolution unit	Inch
Software	V101-00
File change date + time	2002:01:01 00:00:00
Exposure time	1/200 Sec
Flasher	F 0.0
Exposure program	Normal program
ISO speed rating	100
Exif version	0220
DateTime original	2002:01:01 00:00:00
DateTime digitized	2002:01:01 00:00:00
Components configuration	YCbCr
Compressed bits per pixel	4/1
Brightness value	EV 10.3
Exposure bias value	EV 0.0
Max aperture value	3.0 (f 2.8)
Metering mode	Pattern
Light source	Unknown
Flash	15 (Unknown)
Flash latency	2.00 (Auto)

Image: #1/#1 Iberia.JPG

OK

 **QuickTime movie**

Training movie

 **Sorting**

Sort criteria

Sort overview by name

Sort overview by size

Sort overview by date

Sort overview by type

Sort album by name

Sort album by size

Sort album by date

Sort album by type

Snap album thumbnails to grid

 **Search**

Criteria-based search for images

**Search**

File name: contains 

Comment: contains 

Search in: Halfday 2005

Found items:

Located in:

OK

 **Rotation**  
In 90° steps

 **Reflection**  
Vertical and horizontal

 **Switch to the main dialogue of SilverFast**

 **JobManager**

Efficient, semi-automatic batch mode

**JobManager**

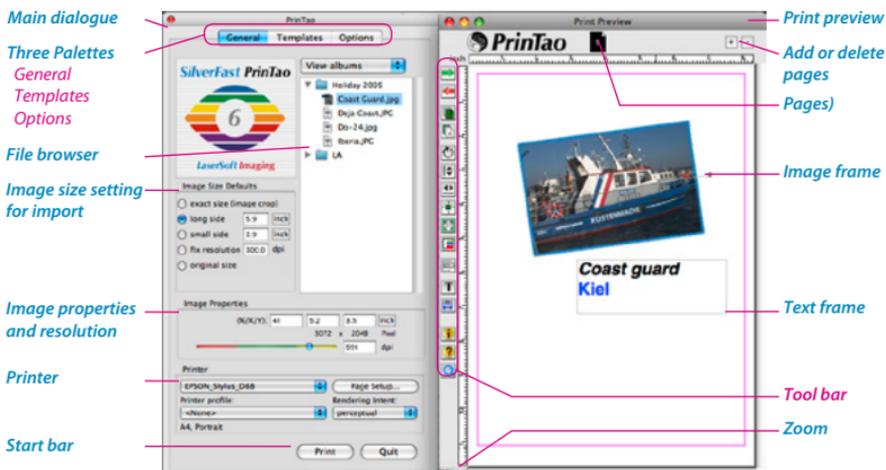
Job: Untitled-1

Output settings...

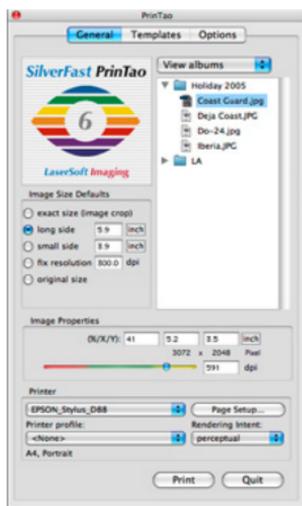
Name preview: BatchProc001.tif

Start Stop

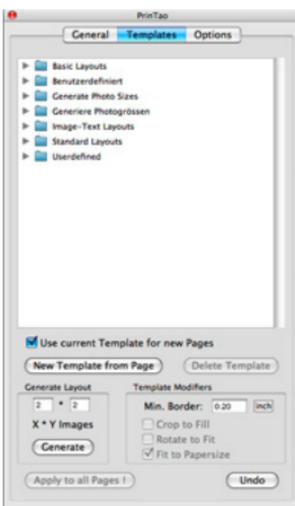
# User Interfaces for SilverFast PrinTao



## General



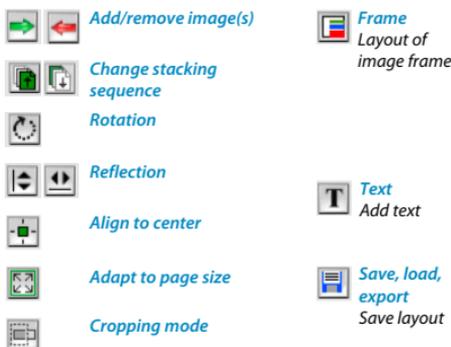
## Templates



## Options



## Tool bar





LaserSoft Imaging AG  
Luisenweg 6-8  
24105 Kiel • Germany  
Tel.: +49 (0) 431-5 60 09-0  
Fax: +49 (0) 431-5 60 09-96  
E-Mail: [info@SilverFast.com](mailto:info@SilverFast.com)  
[www.SilverFast.de](http://www.SilverFast.de)

LaserSoft Imaging, Inc.  
625 Freeling Drive, Sarasota  
34242 Florida, USA  
Phone: (+1) 941-312-0690  
Fax: (+1) 941-312-0608  
E-Mail: [sales@SilverFast.net](mailto:sales@SilverFast.net)  
[www.SilverFast.com](http://www.SilverFast.com)

System requirements\*  
Mac OS X, Windows 2000,  
XP, Vista, 256 MB RAM,  
(512 MB RAM recommended),  
500 MB free hard disk space,  
DVD-drive

\*Please check the compatibility of the software and features, your device and operating system at <http://www.silverfast.com/product/en.html> or ask your dealer.

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Patents: EP 1594301, EP 1744278



*SilverFast the Digital Power Tool*