SilverFast HDR 9

First Steps

Content

These instructions are intended to help you, the user, to take the first steps along the path from analog to digital images. It is intended as a practical guideline for the initial uses of the application. Particular emphasis is therefore given to explaining the steps that will simplify your introduction to the software.

The example pictures are taken from the HDR (Studio) version. Lower versions offer a smaller scope of settings so that description may differ from what you see on your screen in some points.

1. Setting up the software

SilverFast HDR (Studio) is an image editing software specializing in digital images. The following data formats are supported in 48 bit: tif, jpg 2000 and psd. The following data formats are supported in 24 bit: tif, jpg 2000, pdf and psd. HDR (Studio) is also able to read and process raw data, which is already saved in the HDR or HDRi data format.

If you purchased SilverFast HDR online, you received an email with a link to your MySilverFast account, to which your SilverFast license has been added. In your MySilverFast account, you can download the latest SilverFast 9 full version at any time.

Now install SilverFast HDR. If you got SilverFast HDR on USB stick, you can install from there. The installation will always download and install a current version. Next, you will need a MySilverFast account to activate your license. More about this in the next section.

Start SilverFast HDR 9 from the shortcut on your desktop (Windows) or in your Dock (OSX). The SilverFast HDR welcome screen will open. It provides access to your MySilverFast account as well as the service dialog with some functions for managing the software.

Brilliant Images with SilverFast

2. What is *MySilverFast*?

MySilverFast is our online portal introduced with the release of SilverFast 9 for the administration of your SilverFast software licenses. At *MySilverFast* you can always download the current version of your SilverFast software, view your invoices and purchase new software and upgrades. SilverFast 9 is not unlocked via a serial number, but via your MySilverFast access.

Your *MySilverFast* Account

If you purchase a SilverFast software (version 9 or higher) through our online store, we will automatically create a MySilverFast account for you if no user account has been created yet for the email address used. You will then receive a confirmation email after the purchase, which contains a link to further set up your user account.

Alternatively, you can create your MySilverFast account prior to purchase and then use it to purchase your software. To do so, please follow the link above and click "Register".

If you already have a MySilverFast account at the time of purchase, please always use the email address provided for that purpose. Then any software purchased will be automatically assigned to your account.

You can access your MySilverFast account online at any time at my.silverfast.com. Log in to your MySilverFast account with your access data and you will reach your MySilverFast portal.

Your MySilverFast portal

Please log in to benefit from the advantages of MySilverFast.

Login

Note: The access data you need here are identical to those for your software.

Email

Password

Forgotten your Password?

Login

Register

Forgot password?

Have you forgotten your *MySilverFast* password?
Please visit my.silverfast.com and click on "Forgotten your Password?".

Your MySilverFast Portal

The following options are available:

Manage licenses
Here you can manage your SilverFast licenses and add new licenses.

Help Center
Here you will find manuals, documentation and support for SilverFast.

Edit profile
Here you manage your personal data and settings.

Brilliant Images with SilverFast

Licenses

In this area you will find an overview of the SilverFast licenses you have acquired. Here you can always download the latest version of your software, purchase new licenses and benefit form price-reduced software upgrades.

Here you will also find entries for demo software that you have registered for testing.

This page also provides you with some options for managing your software licenses.

Manage licenses

Here you can manage your SilverFast licenses and add new licenses.

Your licenses of MySilverFast

You have already purchased these licenses:

Search ...

Add License

Purchase additional license.

Convert Activation Key.

Convert Promotion Code.

Test our Demo software.

+

SilverFast Ai Studio 9 (Printer-Calibration)

Archive Suite

SilverFast Ai Studio 9

SilverFast

Scanner Model A

License Type: Full Version
Number of Licenses: 1

Download

SilverFast Ai Studio 9

Demo

SilverFast Ai Studio 9

SilverFast

Scanner Model B

License Type: Demo Version
(valid until: 2020-11-11)

Download   Purchase

Brilliant Images with SilverFast

Download Software

Using the Download button you will always get the latest version of the software you have purchased.

Download

Upgrade Software

Click the Upgrade button to benefit from cost-effective software upgrades, e.g. to upgrade from scanner software SilverFast SE to SilverFast SE Plus with an extended feature range.

You will be forwarded to the SilverFast Online Store.

Upgrade

Activate Demo Software by Purchase

If you have registered and tested a free of charge demo software, you may use the Purchase button to buy this software.

You will be forwarded to the SilverFast Online Store.

Purchase

Add new License

Click the green **+** button button, if you want to purchase another software license. On the next page select the Online Store option and you will be forwarded to make your purchase.

Also if you have received a Promotion Code or an Activation Key, you are on the right page to create your new software license and add it to your account.

+

Your MySilverFast portal

The following options are available:

Online Store
Buy new software

Activation Key / Promotion Code
Enter your Activation Key or Promotion Code and create license

Download Demo Version
Test our Software

Help Center

In addition to this PDF file, you will find manuals and videos for using SilverFast as well as our online support In our help area. Select one of the individual tabs:

Manuals:

To get started with SilverFast, we would like to highly recommend our manual SilverFast 9 – First Steps.

Documentation:

Here you will find our FAQ, various SilverFast Videos and other PDF Instructions.

Support:

Our Support Assistant offers solutions to a wide variety of problems. Here you will find free support but also the opportunity to purchase Support Packages and personal 1:1 Online Training courses.

Help Center

Here you will find manuals, documentation and support for SilverFast.

Manuals   Documentation   Support

MySilverFast Manual

Welcome to
MySilverFast

This manual explains how to use the MySilverFast portal to activate your SilverFast software and to manage your licenses.

Help with using the MySilverFast portal

Read in browser — Open
Download — PDF

First Step Guide

SilverFast 9
First Steps

SilverFast SE 9
SilverFast SE Plus 9
SilverFast Ai Studio 9

SilverFast 9 – First steps when scanning with SilverFast

Read in browser — Open
Download — PDF

Brilliant Images with SilverFast

Profile

In this area you can view and change some personal data.

- Email – Here you can change your email address.

- Password – Set a new password for your *MySilverFast* account.

- Country – The specification of your country is important for future purchases.

- Language – Here you can set the language for your *MySilverFast* account.

Edit profile

Here you manage your personal data and settings.

Invoices

Here you will find all invoices for your SilverFast 9 software products.

In the View Invoice column, click on Show to open the corresponding invoice in your browser. You can also download your invoices as PDF files by clicking Download in the Download Invoice column.

If you have acquired a large number of SilverFast licenses, you can limit the invoices displayed using the search field at the top right of the page. For example, enter an invoice number or the date of purchase.

View invoices

Here you will find your invoices.

### Your MySilverFast Invoices

Here you can find an overview of your purchases.

Search …

Invoice No.	License	Date	View Invoice	Download invoice
920200001XXX	SilverFast Ai Studio 9	2020-09-05	Show	Download
920200001XXX	SilverFast HDR Studio 9	2020-09-05	Show	Download
920200001XXX	other SilverFast products	2020-10-23	Show	Download

Brilliant Images with SilverFast

3. Activating SilverFast HDR

The first time you start a SilverFast HDR version that has not yet been activated, SilverFast will automatically switch to the MySilverFast tab. There you simply enter the same email address and password that you use for your MySilverFast account at my.silverfast.com. SilverFast HDR will connect to your account and automatically activate SilverFast HDR. Therefore, an internet connection is essential for activation.

After activation you can use SilverFast HDR offline for 90 days. At the latest every 90 days an internet connection is necessary again. SilverFast automatically connects to your user account if an internet connection is available, so that the software can be used offline again for 90 days.

You can log in on up to 3 systems with your MySilverFast account and thus activate the software. Once you are logged in on too many systems, you can log out yourself on one of the computers or deactivate the license for one of the logged in computers via your MySilverFast account.
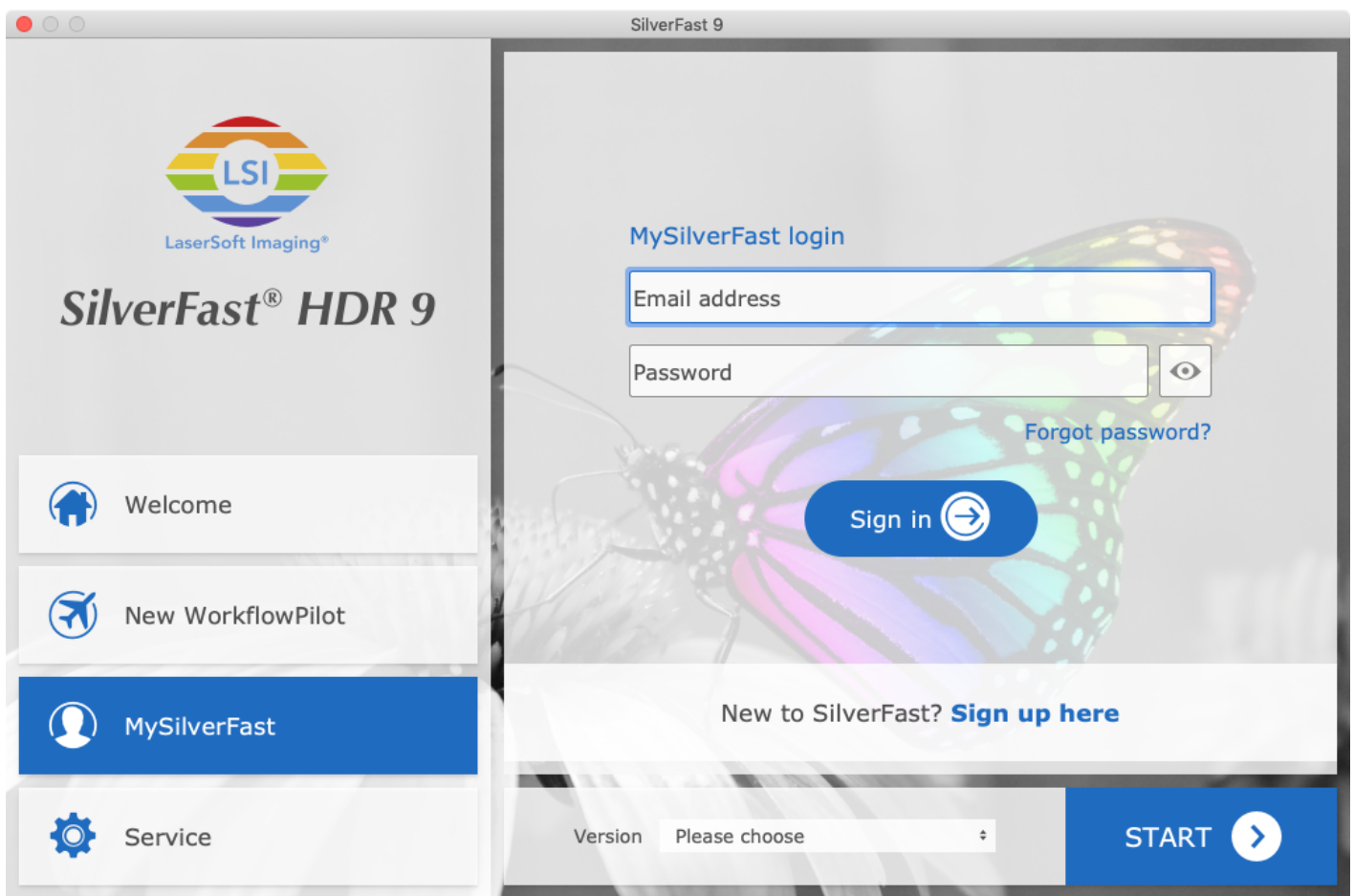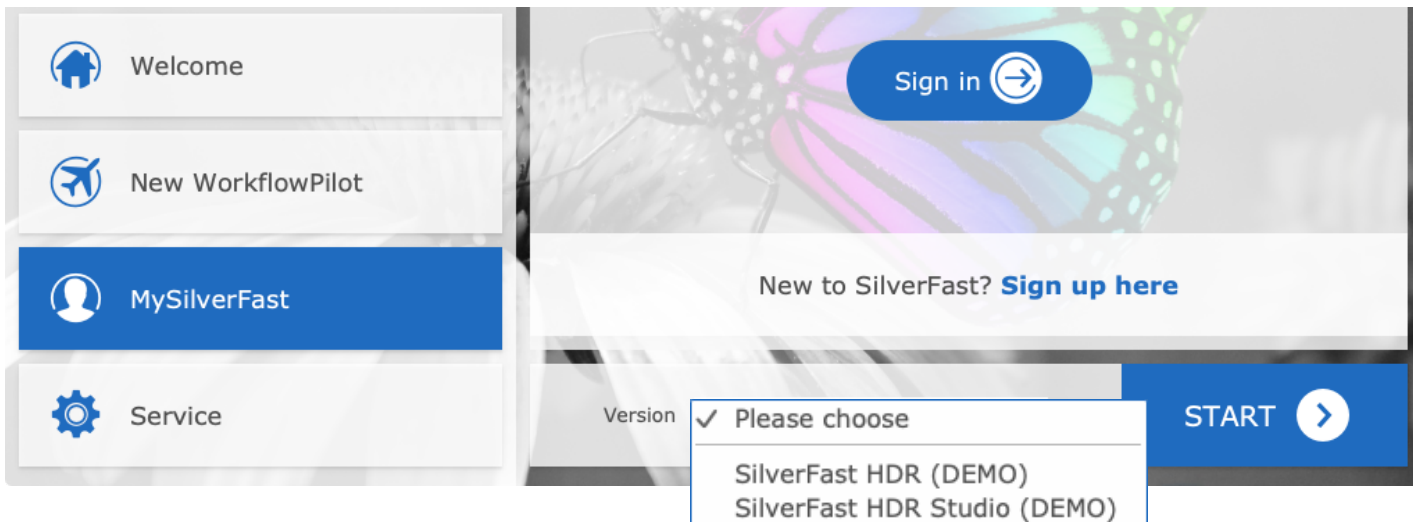

Welcome Screen with MySilverFast login

4. SilverFast HDR as demo

Activating the demo

SilverFast HDR 9 offers a demo version for each of the two available software levels (HDR and HDR Studio). This allows you to easily try out the different versions before deciding on a level.

You can also use the demo if you already own a SilverFast HDR license and are interested in SilverFast HDR Studio. To do so, simply select SilverFast HDR Studio from the drop-down menu. You can also switch back and forth between the two versions to take a closer look at the differences.

Limitations in demo versions

With the demo version, you can try out all functions (with a few exceptions such as printer calibration, IT8 calibration and the ColorServer) of the respective software level for 30 days. This way you can quickly and easily get an impression of the software and how to use it.

Images that you create with a demo version will be water-marked. However, in 1:1- and HQ-preview, you can get an idea of the quality of each tool. These two modes show a preview of the image with the tool applied in 100% view. This is exactly how the finished image would be processed.
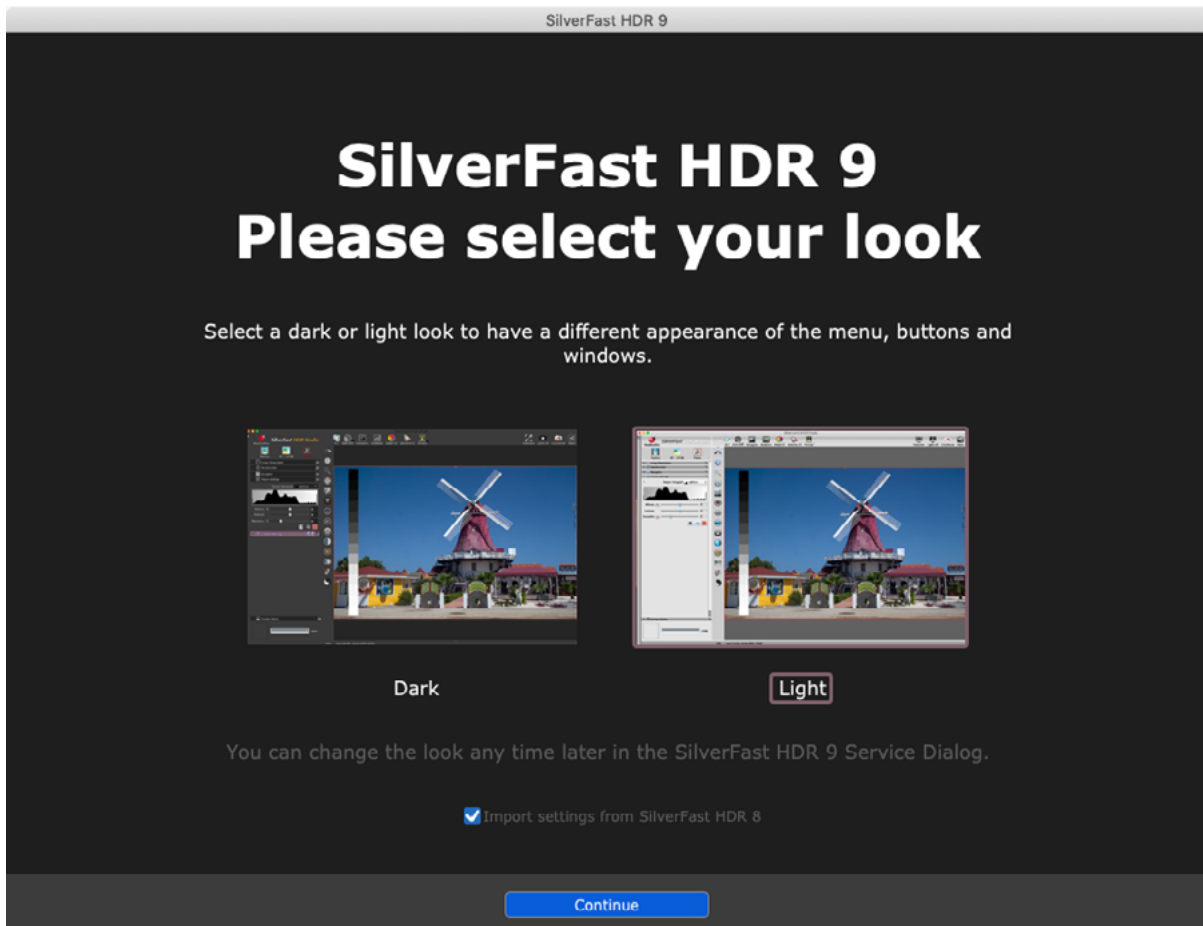

Watermarks - old version

Watermarks - new version

Brilliant Images with SilverFast

5. Starting SilverFast HDR 9 for the first time

At the first start you can choose between a light and a dark user interface and import settings from the previous version SilverFast HDR 8.

If you want to change the display mode later, you can find the corresponding option in the service area of the welcome screen.

Brilliant Images with SilverFast
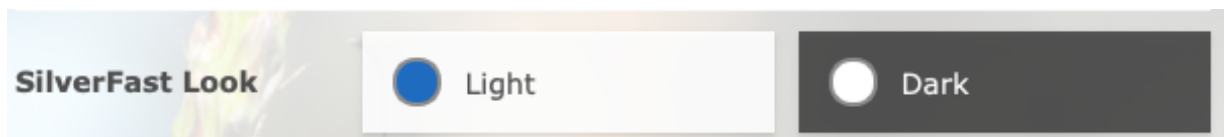
6. Quick start

Tired of reading and want to get straight to the action? The following quick-start instructions provide a general overview of the key points and the course of action.

1. Start and activate SilverFast HDR (Studio)

2. Load images in VLT

3. Adjust frame size

4. Change the color depth if necessary

5. Set the output resolution

6. Start automatic image optimization (Auto-CCR, Auto)

7. Activate tools (USM, SRDx, Clone-Tool)

8. Copy settings to all frames if necessary

9. Start processing (single images or with Jobmanager)

Brilliant Images with SilverFast

7. How to use SilverFast HDR Studio

The Virtual Light Table (VLT) and JobManager are two fundamental tools when working with the HDR (Studio) Software— The Virtual Light Table (VLT) oversees the efficient loading and sorting of images while the JobManager takes care of the effective processing of images. These tools can significantly speed up the optimization process.

VLT - Virtual Light Table

Images can be opened with the *VLT* and then loaded in the JobManager. The VLT enables a fast search of all available image folders. Raw data negatives are also displayed as positives in order to make selection easier. Various image viewing options are also available and can be changed according to the your personal preference. Whether in list- or preview mode, it is also possible to enable/disable the displaying of HDR or HDRi scanner raw data information.
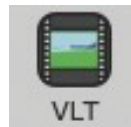
The VLT Button, located above the preview screen on the horizontal menu bar, fulfills three functions:
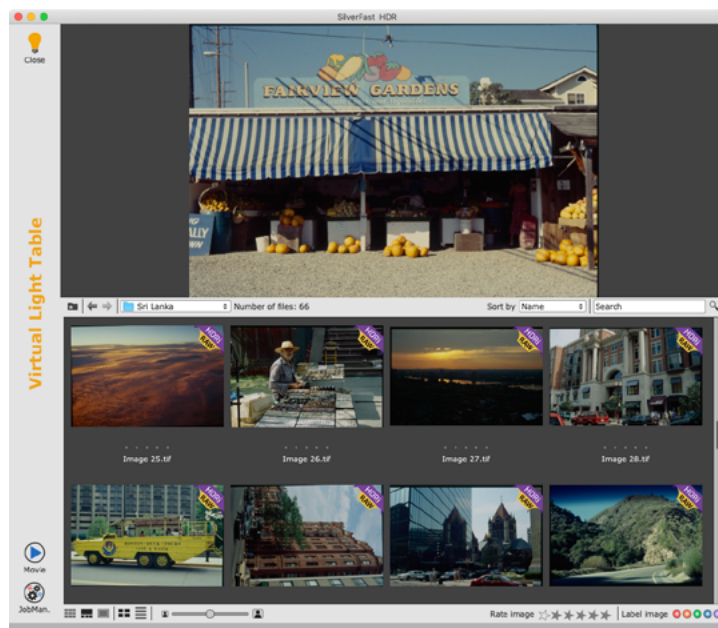
 One Click: Open/Close VLT
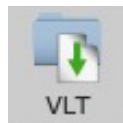
 Shift + Click: Open Data Browser

 Alt + Click: Update Preview

A double click of the Preview Image will likewise open the VLT.

For the VLT, the toolbars are temporarily hidden.

Brilliant Images with SilverFast

In the default view, the VLT is divided into two parts. The upper half shows a preview of the selected image, while the lower half shows thumbnails of the selected folder. There are two toolbars in this view. The functions in the area on the right are largely self-explanatory. The controls on the left side have the following functions:

Select drive or favorite folder

Switch to parent/ subordinate folder

Display of the current folder, open directory structure

Number of files in the selected directory

Watch tutorial video

Open JobMa-nager / drag files onto the icon to open them with JobManager.

Select preview type: Gallery, Gallery with preview, preview without gallery

View as gallery or as list

Set miniatures size

To exit the VLT and return to edit mode, click „Close VLT" in the upper left corner.

Brilliant Images with SilverFast

Opening images for editing

- There are several options for the loading of Images in the SilverFast HDR (Studio) Software:

- Select an Image with a double-click. The VLT will close automatically and the selected image will be added to the JobManager.

- It is possible to select several images at once with the VLT by using the already mentioned commands: Shift + Click, CMD + Click (OSX) and CTRL + Click. It is then possible to drag and drop the images onto the JobManager window or onto the JobManager button in the VLT bar or by accessing the Right-Click Menu > "Add Images to the JobManager".

- While the VLT is closed, it is also possible to drag images out of the Finder or Windows-Explorer into the SilverFast Preview and then allow JobManager to take over.
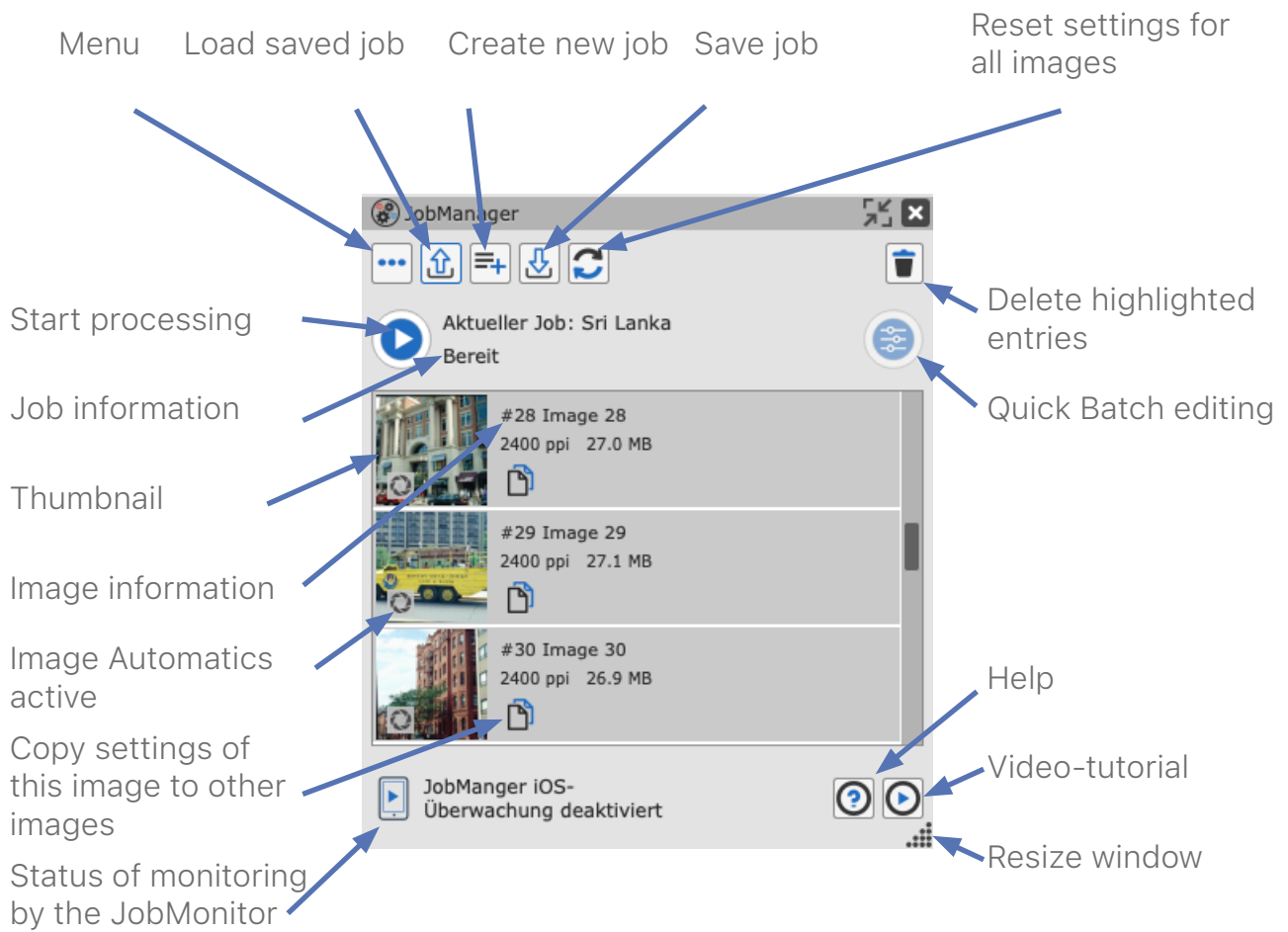
JobManager

The JobManager is the second fundamental component for the SilverFast HDR (Studio) Software.All images that you open with SilverFast HDR are automatically added to the JobManager's job list with their own entry. One entry corresponds to one frame. If you create multiple frames for an image in the preview, for example to export multiple crops to individual files, each frame corresponds to an entry in the JobManager.

You can then save this list as a *job* and load it again if you want to interrupt the processing of an image series in the meantime. Jobs can also be combined with other jobs. The JobManager is thus ideal for editing entire series of images.

If you have loaded multiple images into the JobManager, you can double-click an image to load it into the preview and adjust it to your liking. The adjustments you make in SilverFast HDR (Studio) only affect the image that is loaded as a preview. Thus you can optimize your images one by one.

If you want to process several images with partially the same settings, then you can conveniently transfer a set of settings that applies to an entire series from one image to the others, thus saving a lot of time. A drop-down menu lets you choose which settings to copy. This lets you quickly apply basic settings to multiple images before you start fine-tuning. Also in JobManager, you can highlight entries with the usual combinations of Shift+click and CMD+click (OSX) or CTRL+click (WIN) to apply settings to only a selection of images.

Once you have finished optimizing for the images in this job, you can start processing the job by clicking the Start button.

Brilliant Images with SilverFast

Menu   Load saved job   Create new job   Save job

Reset settings for
all images

Start processing

Delete highlighted
entries

Job information

Quick Batch editing

Thumbnail

Image information

Image Automatics
active

Help

Copy settings of
this image to other
images

Video-tutorial

Status of monitoring
by the JobMonitor

Resize window

JobManager

Aktueller Job: Sri Lanka
Bereit

#28 Image 28
2400 ppi   27.0 MB

#29 Image 29
2400 ppi   27.1 MB

#30 Image 30
2400 ppi   26.9 MB

JobManger iOS-
Überwachung deaktiviert

Brilliant Images with SilverFast

8. Settings

For image processing, SilverFast offers a manual mode and a guided mode, known as the WorkflowPilot. The guided mode is a simplified form of the software without batch processing capabilities. The guided mode leads the user systematically through the optimization process, until the user is able to take over the process themselves.

These instructions refer to Manual mode in SilverFast, which you can recognize by the red icon of the inactive WorkflowPilot. If you see the blue WorkflowPilot symbol after start-up, click on it to change to Manual Mode (red icon).
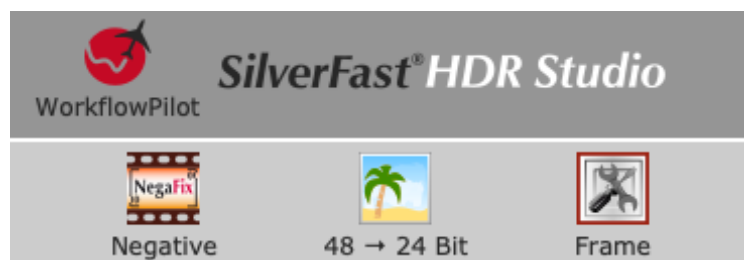
In SilverFast HDR (Studio), you will find some basic settings just below the SilverFast lettering in the upper left corner.

Select image type

Choose between Positive, Kodachrome and Negative if necessary. For HDR and HDRi images, this information is already saved during scanning and then recognized and used accordingly by the SilverFast HDR (Studio) software..

Positive is the setting for everything that was a positive image in the original. This includes scanned slides. Photo prints, images from digital cameras and scans that have already been processed and are not available as raw data.

Kodachrome you select for this special slide film from Kodak – often recognizable by the cardboard frame. If you have scanned your images with SilverFast as Kodachrome raw files, SilverFast loads HDR Studio, the attached scanner color profile. This profile prevents the blue cast that Kodachrome images would get when scanned without this special adjustment. Besides, a specially adapted dust and scratch removal is activated when you use iSRD.

Brilliant Images with SilverFast

If you have selected the „Negative" setting to process your scanned negatives, the NegaFix dialog will have opened simultaneously as an additional tool. In the NegaFix dialog you can choose a film from a wide selection of manufacturers and different film types with different ISO values. This ensures that the orange mask of your film strip is correctly removed during its transformation from negative to positive.

When using our HDR and HDRi raw data formats, this information is saved during the scan for later processing. If you didn't select a film type for the scan, choose a supported device and film type in SilverFast HDR (Studio).

If your film type is not listed, select a similar film type or use the standard profile:
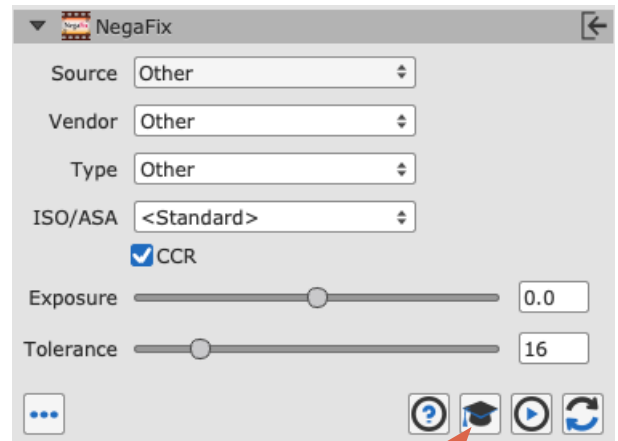

Expert settings

Source: Other, Manufacturer: Other, film type: Other, ISO/ASA: Standard.

In the Expert section of the dialog in HDR (Studio), you can also edit the profiles or create your own profiles. Open the dialog's Expert section by clicking on the mortarboard.

The Exposure slider lets you adjust the brightness of your image up to 3 stops brighter or darker. The Tolerance slider controls how much orange masking should be removed.

Color depth

You are now ready to select the output color depth. The color depth describes the number of bits per color channel. Color images are comprised of the three color channels **R**(ed), **G**(reen) and **B**(lue), each with 8-bit data or 16-bit data. Black-and-white images are managed with one channel with 8-bit or 16-bit data. This delivers the different color depths that can be set in SilverFast. The greater the color depth the larger the resulting file.

Brilliant Images with SilverFast
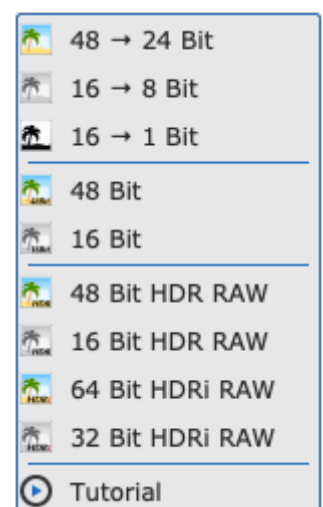
SilverFast internally always uses the greatest possible color depth offered by your image. 16-bit data provides a higher range of possible color gradations (65536 per color channel) in comparison to 8-bit data (256 per color channel). SilverFast therefore handles your images with 16 bits per channel. If you wish to continue editing your images at a later point, select 48-bit color depth for 16 bits per color channel so that you can also still access the full range of color gradations later on. If the settings are to your satisfaction right away, output the images with a 24-bit color depth for an 8 bits per color channel. For digital images that are not going to be edited further, 24-bits is the most common color depth.

An example::

48>24bit is the standard setting in SilverFast. This setting reflects that SilverFast fetches the maximum data (48 bits total, 16 bits per color channel), processes it in 48-bit and then outputs the image with a total of 24 bits (8 bits for each of the three color channels **R**ed, **G**reen and **B**lue).

The 16 bits per channel **output** is available for the file formats that support 16 bits: TIFF, PSD and JP2. Please note that not every image editing program can process 48-bit images.

For **color images**, select the 48-bit option in order to obtain 16 bits per color channel. Select 48>24 bits for images with an 8 bits per color channel, which all image editing programs can read as standard.

For your **black-and-white images**, select 16 bits accordingly for the maximum output, select 16 bits accordingly for the maximum output data and 16>8 bits for data with maximum compatibility.


SilverFast offers the 16>1 bit option for **line art**.

Brilliant Images with SilverFast

The SilverFast Archive Suite (the Packet from SilverFast HDR (Studio) and the SilverFast Scan Software) provides the user with a beneficial non-destructive Workflow. Scanned images are generated as raw-data, which is later used during image processing. As a result, new data is generated and all optimizations are saved as an "accessory" file, leaving the original raw-data unaltered. During the archiving process, SilverFast saves raw-data in the HDR- and the HDRi raw-data format.
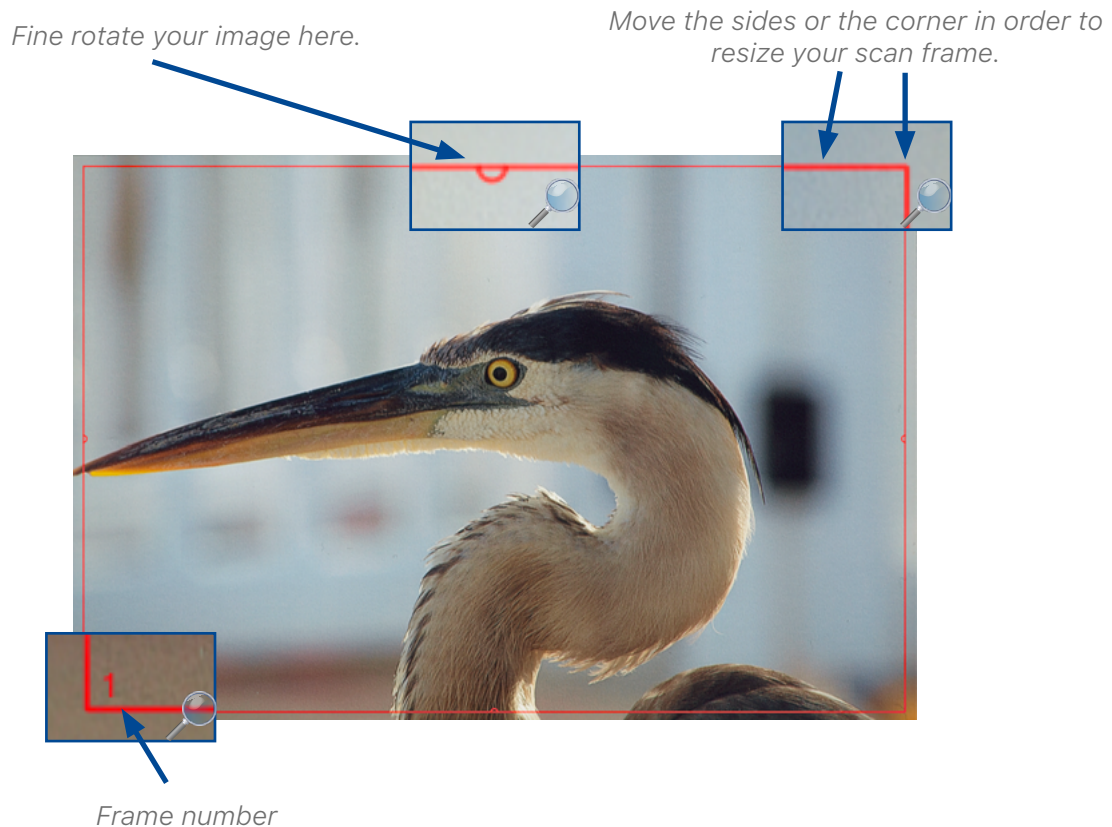

RGB Bild
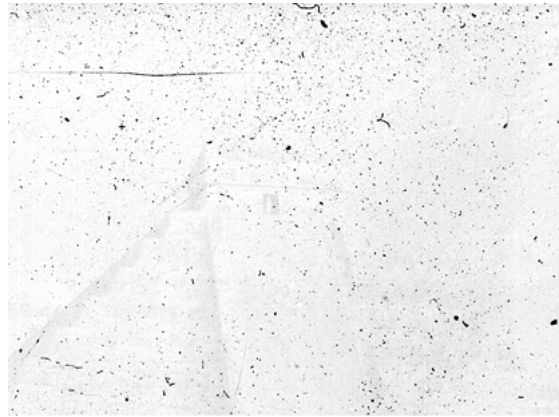
IR-Bild

In comparison to the HDR format, files in HDRi format contain additional data from the hardware-based infrared channel that the HDR (Studio) software can use to remove dust and scratches with precision. This allows complete image processing to be performed on another device, at a later time and irrespective of the scanner. The full 16-bit per color channel is always used for the raw data format: 64-bit HDRi for raw data of **color images** including the data from the infrared channel or 48-bit HDR for raw data without infrared channel. 32-bit HDRi is used for **black-and-white images** with infrared channel and 16-bit HDR is used for raw data without infrared channel..

_____

Some of the basic settings have now been made, and you can begin the optimization of your image.

9. Frames

A red frame is always visible in the preview. This frame marks the area of the image on which you are currently working and which will be processed later.

Fine rotate your image here.

Move the sides or the corner in order to resize your scan frame.

Frame number

You can move a frame with the mouse, or you can shrink or enlarge it by clicking on and dragging one of the four sides of the frame. If you click on and drag the frame's corners with the mouse, you can change two sides at the same time. You can rotate the frame by clicking on and rotating the semicircles at the halfway points of the sides.

You can change the frame in the preview and in the zoomed preview, whereas in the 1:1 and HQ preview it is fixed and cannot be adapted. The fine rotation is not available if you have selected one of the HDR or HDRi formats. Go ahead and adapt the red frame to your image.

For negatives in particular, it is important to set up the frame precisely because all information in the red frame is taken into account for the conversion. In the case of a negative, a black edge around the actual image would make the converted image brighter than it actually is.

# Peculiarity: multiple frames per image

You only have one image per preview in most cases. The situation is different with raw data of flat bed scanners on which the film holders can in most cases accommodate several slides or film strips. In this case, you can use the frame search IFF+ for the corresponding holder in the software. The frame search creates a frame for you for each image recognized.

For the frame search, click on "Frame" and then on "Find frame". Now select the matching holder that you had inserted during the scan. If you have used the 35mm slide holder, select "Slide holder 35mm". The frame search now creates all the necessary frames for you itself.
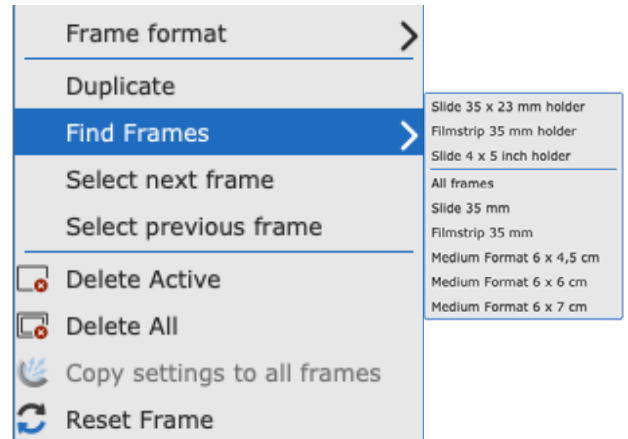
For ever new frame an entry is created in the JobManager. Each frame marks an image area that will be processed. A separate data-file is generated for each corresponding image area. Frames that are currently being worked on are marked in red.

After several images have been loaded simultaneously in HDR (Studio) or an image with more than one frame is present, it is possible to share the settings of one frame with that of another frame. This is accomplished by accessing the "Frame" menu > "Copy settings to all Frames"
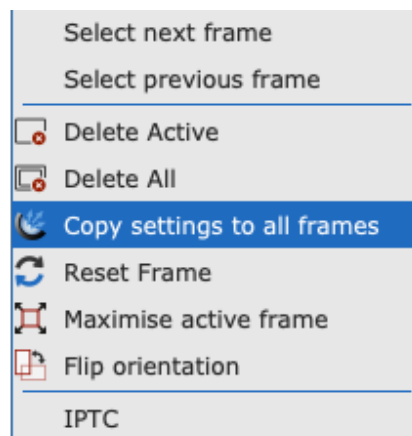
You can create new frames manually in addition to the frame search. **Draw frame:** To do this, click with the mouse in an area of the preview window without a frame, and draw a new frame while keeping the mouse button pressed. Release the mouse button to create the new frame. **Copy frame:** However, you can also move an already existing frame while keeping the ALT key on your keyboard pressed. When you release the frame, a copy of the frame is created at the new position. The new frame takes over the settings that were made for the original frame.

10. Image Dimensions

You can find a very important dialog for configuring your image in the very first place in your tool dock:

In this dialog, enter the name for your image along with the file path, select the file format and define the output size. "Format" sets the dimensions for the output and thus also a certain aspect ratio. If you do not select a format from the list, the output format conforms to the format of the red frame in the preview.
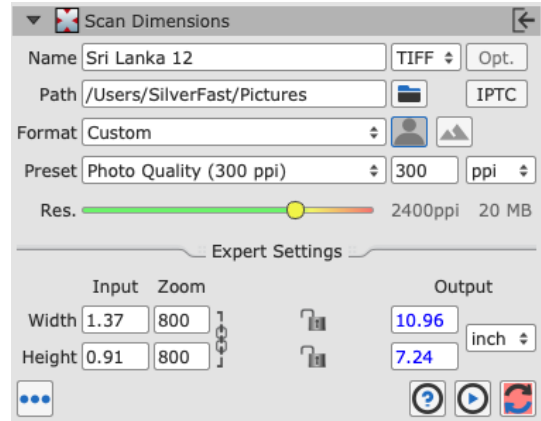

When you open an image, the preset and the resolution slider show the resolution that is stored in the meta data for your image.

The Preset: The Preset allows you to set an output resolution, especially for a later print.

The resolution slider: The resolution slider in SilverFast HDR (Studio) has two functions for controlling the output resolution. Next to the slider is a padlock that toggles between the slider's two functions, which we explain below. In the default setting it is closed...
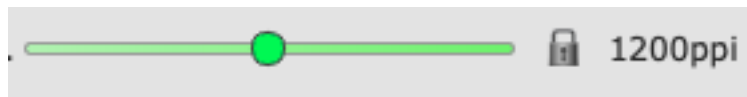
In the lower part of the dialog you can see the input and output size, as well as the zoom factor (magnification factor) in percent.
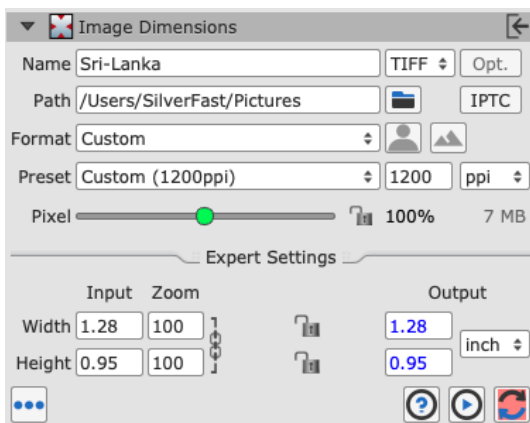

As long as the padlock is locked, the actual amount of information in the image will be preserved when the slider is moved and the data-size indicator next to the slider will stay the same.

When the lock is closed, what changes is the indicated size and resolution of the image´s meta-data. The actual real data is not scaled. The slider is labeled "Res." for "Resolution.

Brilliant Images with SilverFast

If the lock is closed, the output size and the output resolution remain unchanged in proportion. If you use the slider to increase the output resolution, the output size is reduced by the same amount and vice versa. If you choose an output resolution that is higher than that of the loaded image, the zoom factor decreases accordingly and the image is output smaller but with higher resolution. Conversely, you can export the image with lower resolution with corresponding zoom. The amount of pixels will always remain the same.

This setting is convenient for printing and protects against accidental reductions. Select a preset equal to the desired print resolution or enter a value manually in the field next to the preset. SilverFast HDR will then automatically calculate the possible output size for printing at the selected resolution. Or enter an output size, then SilverFast HDR calculates with which resolution can be printed in this size.
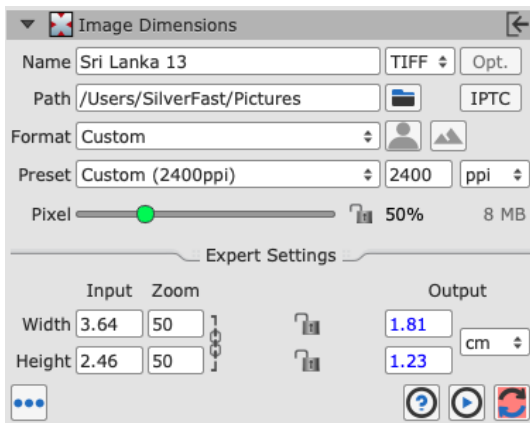
When the padlock is open, you can select one of the typical output-resolutions from the preset-menu or a user-defined output and manually enter the desired value in the input-field. The slider is now labeled "Pixel" and indicates the pixel amount in percent.

DIn the case of the closed padlock, the difference is that the output-resolution does not change when the slider is moved. Instead, the output-resolution stays at its set value, while the output–size adjusts. As a result, the image-size is actually scaled and changes..

If the lock is open, the pixel amount of the image to be exported is adjusted. The ratio of output resolution to output size is no longer locked. If you select a preset, manually enter an output resolution in the adjacent field, or use the slider to select a pixel amount in percent, SilverFast HDR adjusts the amount of pixels and thus the output size accordingly. The estimated file size next to the slider makes this clear.

You should use this setting if you really want to scale an image and are sure that the amount of pixels needed will not change later. Especially handy is the change from cm to pixels for the output size display. This way you can enter the required output size, for example for use on the Internet, and SilverFast will automatically calculate the appropriate zoom factor.

With the lock open, you can also set resolutions or output sizes that exceed the available amount of pixels. The percentage next to the slider shows such enlargements that exceed 100% of the existing data in red. The additional data is not real and is interpolated.

SilverFast HDR works **non-destructively**, i.e. without changing the loaded images. The settings presented here only affect the file that you later export additionally.
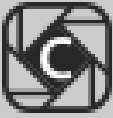
Brilliant Images with SilverFast

11. Automatic Optimisations

SilverFast offers a number of automatic optimizations that can assist you in optimizing your images and do some of the work for you.

Automatic image adjustment:

The automatic image adjustment function is located in the bar of the color-modifying tools next to the preview scan button above the preview. There are two general optimizations, "Auto" and "Auto CCR" (Color Cast Removal) as well as various automatic functions that are adapted for typical and frequent scenarios. A long click on the button for automatic image adjustment opens the menu in which you select the appropriate optimization for your image. You can also reset the automatic image optimization in this selection menu.

|		
The triangle shows additional options that become visible with a long click on the icon.		*The red dot indicates that the tool has been activated and is being used for the editing.*

The automatic image adjustment makes changes to the histogram and gradation so that these tools are opened and, by way of a red dot in the icon, indicate that they are active.

The automatic image optimization by default doesn't optimize the contrast. If the automatic optimization is also supposed to adapt the contrast, simply activate this option in Preferences > Auto.

The human eye perceives contrast as sharpness. If you have the impression that your images are too flat or blurred, try using some contrast.

Brilliant Images with SilverFast

Also under Preferences > Auto, you can define an automatic image adjustment that is automatically performed on every image individually in every frame search. This is particularly important for batch scans in which not every image is individually adapted via the JobManager (in Ai Studio
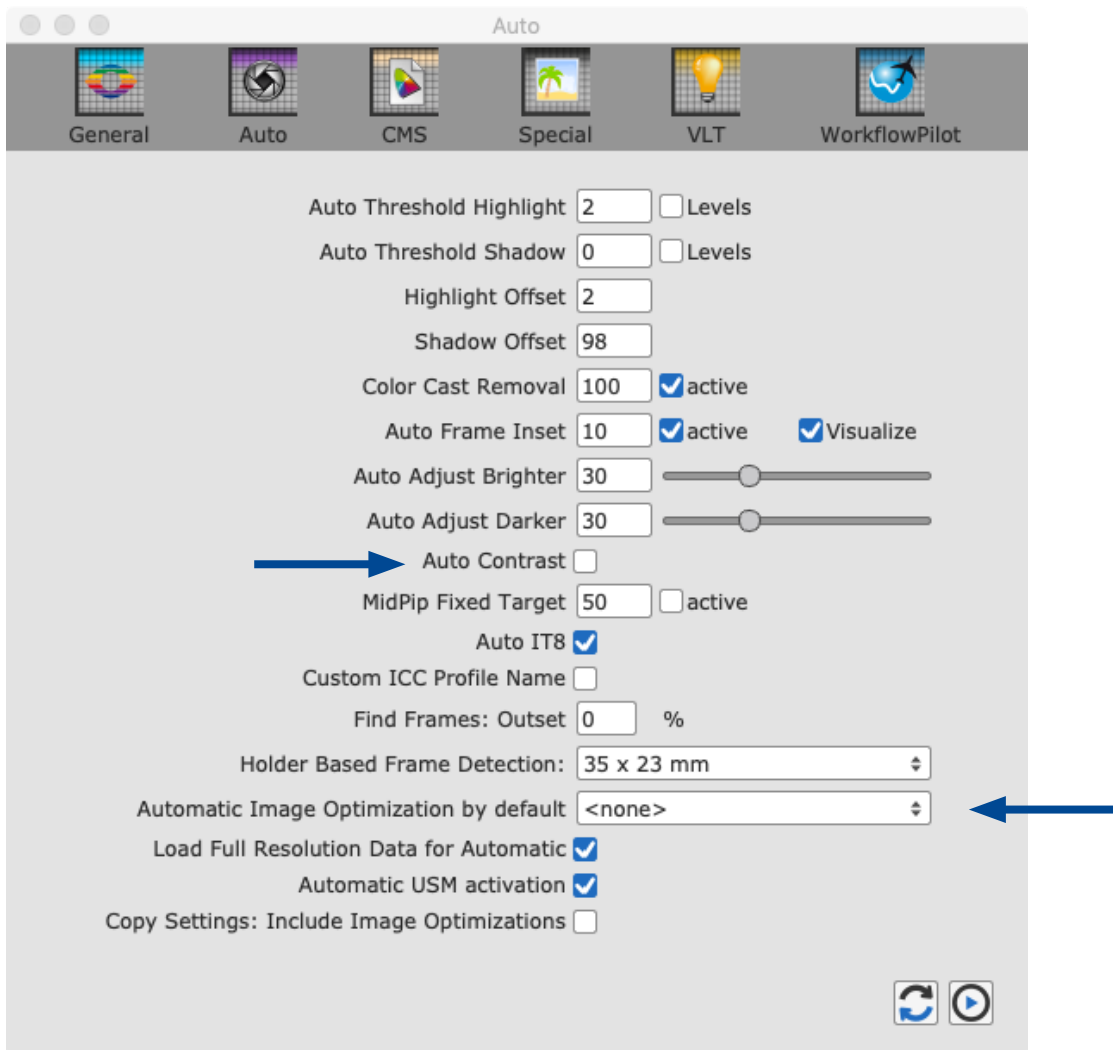
Dust and scratch removal with iSRD

Thanks to an additional infrared lamp installed in the scanner, the infrared-based dust and scratch removal function "iSRD" (infrared Smart Removal of Defects) allows very precise recognition and removal of dust and scratches. It is not available in Reflective mode or on scanners without an infrared channel. This function works automatically, but can of course also be adapted manually.

Activate this function by clicking once on the "iSRD" button in the vertical toolbar. The red dot in the center of the button indicates that the tool is switched on and is being used.

Note:
You should not use the infrared-based dust and scratch removal function if you want to scan black-and-white negatives, and you should use it only with caution when scanning Kodachrome images. The silver halide in the film material can reflect the scanner's infrared light and cause artefacts in the image.

Brilliant Images with SilverFast

An adjusted correction is already performed for Kodachrome images. It is however never-theless advisable to work with low defect detection.
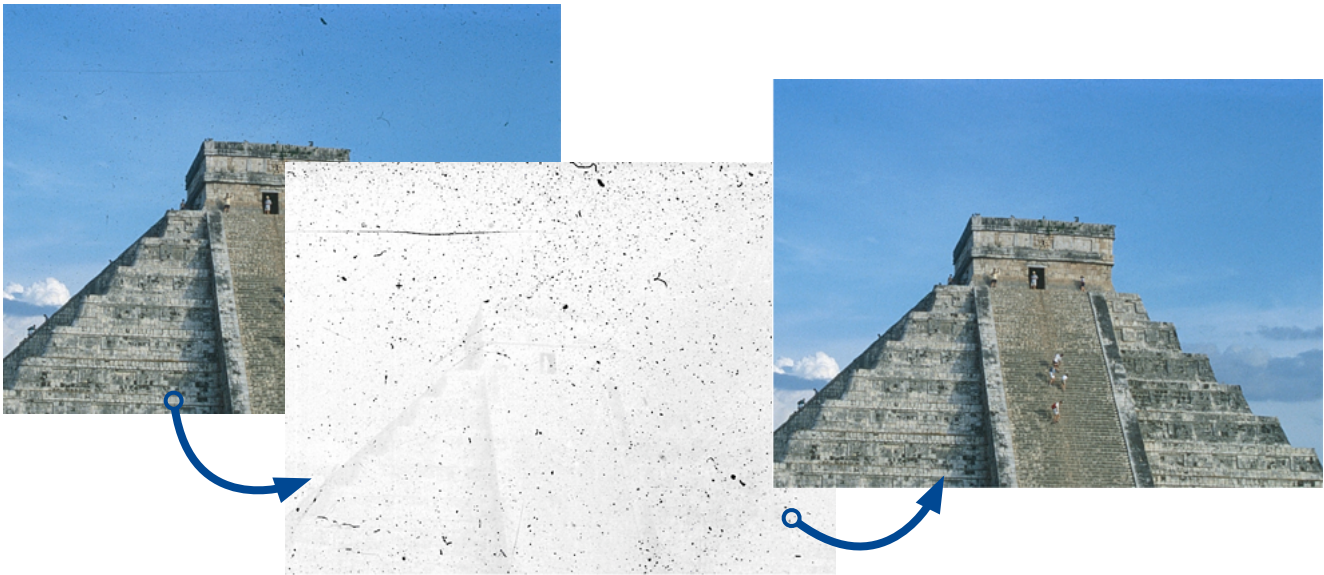
SilverFast uses the infrared image (middle) to detect dust and scratches on the original analog image and retouches them fully automatically for the digital image.

The adaptive color restoration "ACR"

Especially with older images that have been stored for a long time, it's not uncommon for colors to fade. With ACR adaptive color restoration, you can easily refresh faded colors and make your image look more vivid. The correction is adaptive, which means that the adjustment is based on your image: faded colors are enhanced and oversaturated colors are neutralized.

The ACR function can be found in the Selective Color Correction dialog. Clicking the ACR button triggers the automatic adaptive color restoration. With the slider you can adjust the result manually.

If you move the ACR slider all the way to the left, your image will be completely desaturated and you will easily turn your color image into a black and white image.

The Reset button only resets the SCC adjustments at the top of the dialog. Holding down the Alt key while clicking will also reset the ACR changes.

Brilliant Images with SilverFast
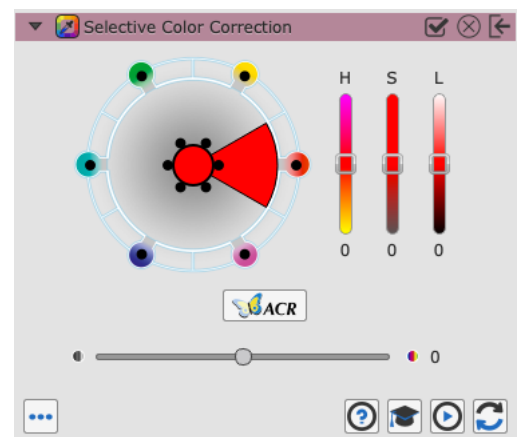
12. Zoom and 1:1 or HQ preview

You can now use the magnifying glass symbol to zoom in and out in the individual frames. You can also press the button for slightly longer in order to select zoom functions from the menu. Here too, the small triangle next to the icon shows that additional options are available.

In the zoomed preview, sufficient data is available to adapt your image manually with a very high degree of precision and to optimize it with the automatic image function.

If you have activated the high-resolution preview beforehand, you can now call up this enlarged preview of your images without scanning again. In the Navigator, you can change between the frames in the preview without having to exit the Zoom view every time.

If you click in the preview and drag a frame while holding down the CMD key (macOS) or the CTRL key (Win), you will zoom into the selected area.

The 1:1 preview and the HQ preview

The 1:1 preview and the HQ (High Quality) preview both start a Zoom preview with a 100% view. This means that a preview scan is performed with the set scan resolution In the preview, you now see a section of the image (in its original size at the set resolution) that you can move via the yellow frame in the Navigator, or by pressing the space bar while simultaneously moving the preview with the left mouse button pressed.
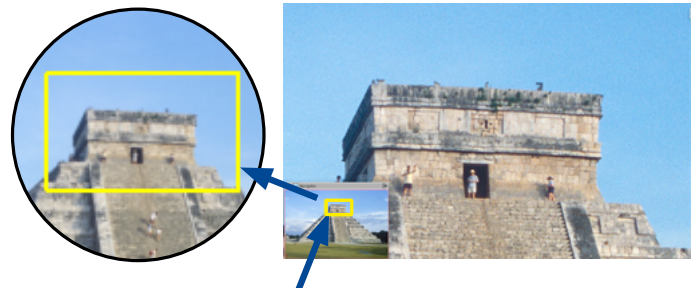
*The yellow frame in the Navigator determines the image section that is shown in the preview.*

The effect of most tools is best assessed at the resolution that you will also scan with. Sharpening using the unsharp masking for example depends greatly on the resolution used. The 1:1 and HQ preview provide reliable and predictable results. Since the image can be directly saved after a 1:1 or HQ preview for which all the required data has been collected from the scanner, this function requires no additional time.

The 1:1 preview and the HQ preview both allow precise adaptation of your image. They differ in the fact that for the 1:1 preview, the selected tools are initially calculated only for the area that you have currently got selected with the yellow frame in the Navigator. The HQ preview on the other hand immediately calculates the tools for the entire image, so that the yellow frame can be moved back and forth without a renewed filter calculation.

Brilliant Images with SilverFast

13. Processing and Batch processing

Now that you have made your most important settings, you can export your finished image. In the horizontal bar above the preview you will find the Process and Start Batch button for this purpose. Click on "Process" to process the current image. Click Start Batch Processing if you want to process multiple images.

When you start a batch processing, the export dialog will open before processing. Here you can set some parameters for the processing. If you make a selection here, this will overwrite the settings you made directly on the image. If you do not change the preset specifications, the settings you have made for the individual frames are retained.
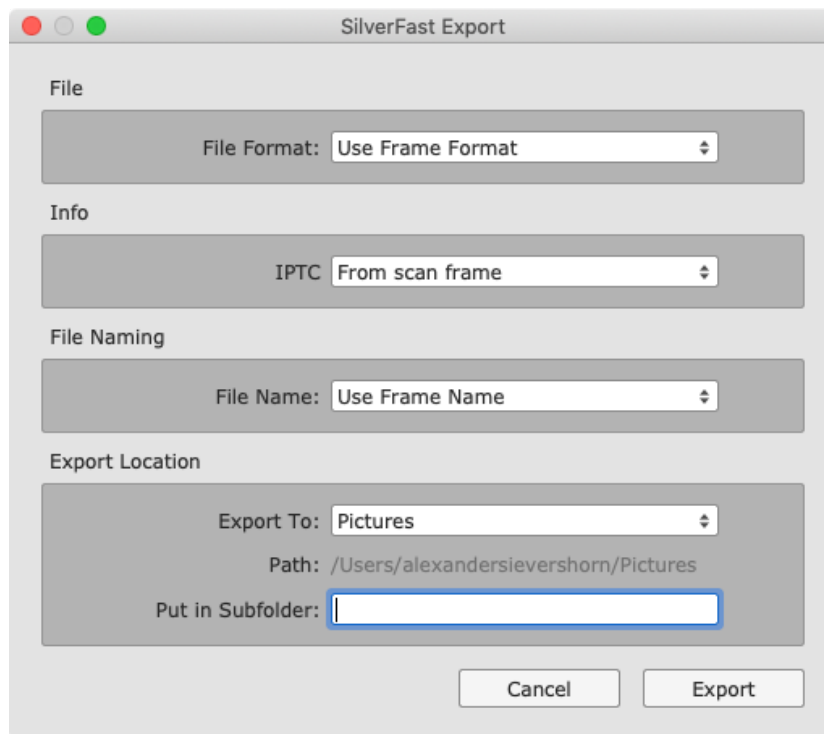
If you want to number your images automatically, select sequential naming under "File Name" and set a starting index if necessary. SilverFast HDR then checks for each image with this filename which is the highest number already present and adds +1 for the filename.

With a click on "Export" you then start the batch processing.

14. Contact & Support

Further information about SilverFast as well as help with questions and technical issues can be found here:

Web Addresses:

• MySilverFast Portal – Here you can access your *MySilverFast* account.

• SilverFast Website – Here you will find a lot of information on our SilverFast products.

Technical Support:

• SilverFast Support – If you have any questions about handling your SilverFast software or if you have technical difficulties, please contact our SilverFast support team.

• (+49) (0)431-56009-38 – If you have any questions about your *MySilverFast* account, you may call our free support hotline.

LaserSoft Imaging