



Helicon Software for Microscopy

Helicon Filter

product datasheet

Advanced image processing of microscopy images with Helicon Filter

Helicon Filter was designed for digital camera enthusiasts who are looking for a powerful, high quality and easy digital processing program.

Helicon Filter covers 99% of the photo enthusiast's digital images processing needs. The usual workflow includes the following steps:

- noise reduction (otherwise noise will be amplified by sharpening and brightness changes)
- exposure correction (brightness, contrast, shadows, etc.)
- red eye correction
- white balance and saturation adjustment
- cropping, rotating and resizing
- sharpening
- frames and text (adding picture frames, text, shadow, 3D, fade out and other special effects)

Advanced users will appreciate the following features:

- chromatic aberration (correction of blue or purple fringing near overexposed areas)
- distortion and vignetting correction
- high dynamic range images (merged underexposed and overexposed images)
- batch processing

Helicon Filter is one of the best programs for performing these operations and has received many awards.

Why Helicon Filter?

48 bit processing - Helicon Filter does not lose information from the beginning to the end of the workflow (16 bit instead of usual the 8 bit per channel). It supports all RAW file types, 48 bit TIFFs, the new DNG format, lossless JPEG 2000 and many others.

Text and Frames (new) - Starting from the version 3.0 Helicon Filter offers you many professional effects to prepare your image for printing. You can choose blur, shadow, fade out, 3D or other frame effect to emphasize the image strengths. Do not forget to watermark your images using 3D, shadow or other text effects.

Selective noise reduction - Helicon Filter has one of the best algorithms for noise suppression and it does not require any camera profiles. But the true power of Helicon Filter, however, is in its selectivity. You can change the noise reduction for an object or area with just one click using the Color ranges tool or the Noise equalizer.

Sharpening without halos - Almost all images need sharpening and the Helicon Filter offers powerful tools to make it easy and natural looking. You can also fix out-of-focus images.

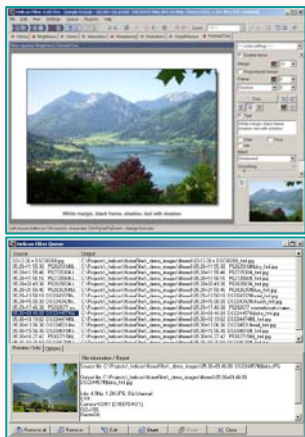
Red eye removal - Fixing red eyes with one click in auto mode and advanced feature: reduction of the dilated pupil.

Purple fringing/Chromatic aberration - Even many consumer cameras produce CA on high contrast areas. This problem can be successfully fixed with Helicon Filter.

Exposure adjustment - All controls are in one place with a preview. Contains a live histogram, curve, auto contrast, gamma, brightness, shadows, highlights, local contrast, etc. It works smarter than in other editors!

Color balance - Helicon Filter has the standard set of tools: R, G, B, Saturation, and the one-click white balance tool. It also contains such advanced tools as the Saturation equalizer, Memory color and the Color range.

Professional features - Helicon Filter (Home and Pro) supports RAW files from all cameras, 48-bit TIFFs, DNG, preserves EXIF information and embedded color profiles. It has unlimited batch processing as well. The Pro version includes the PS plug-in.



Normal Sharpen: Helicon (no halos)



Normal Chromatic Aberration: Helicon (no blue edge)

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