



New software with unparalleled precision

Automatic correction of lens distortions of any digital camera

Ubstadt-Weiher, January 24, 2007. **When making professional or highly demanding photos, you desire to get brilliant and distortion-free images. However, even the most expensive camera lenses show inaccuracies. The new Windows software ImageIron corrects these distortions with unparalleled precision, supports any camera lens and exports the correction data, if desired.**

Detailed information about the software is available at www.naturalgrafix.com. Here, you can download a fully functional 30-days trial version. On request, journalists can obtain a test license including the export function, which is not included in the trial version.

Residue distortion below 1 pixel

In contrast to other software solutions, ImageIron does not only recognize and minimize radial but also radial-asymmetric and tangential distortions of the photos. Manufacturing inaccuracies of the lenses are individually taken into account. Since the procedure works with concrete values instead of the usual approximate values (spline calculation), the remaining distortion, which the program can reliably estimate, is far below one pixel. Furthermore, ImageIron eliminates the light fall-off at the image edges (vignetting).

Calibration for all cameras and lenses

An intelligent calibration procedure is the basis of the extremely high precision: the photographer makes photographs of a standardized calibration map with different focal lengths. ImageIron analyzes these photographs and determines even the smallest deviations. The determined differences serve as a pattern for the calibration of all other images which have been taken with that camera lens. Shift-lenses and other special solutions do not constitute a problem either.

Correction and data export with a mouse click

When the calibration has once been made, you can comfortably calibrate any number of images. The photographer only needs a few mouse clicks to start the batch process. Especially interesting for optical system manufacturers is the unique export feature: the distortion and vignetting parameters can be output as a diagram or table.

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