Phocus 3.1.2 Mac read-me

December 14th 2016

Compatibility

macOS 10.10 or later is required and only 64 bit Mac's are supported. Please note that for tethered usage of USB-3 based cameras macOS 10.11 or later is needed to give you the best transfer speed.

In case you need to run Phocus on older versions of macOS please visit our software archive.

Phocus requires at least 4 GB of memory, where 8 GB or more is recommended.

System Requirements

Graphics adapters
You should be aware that the Phocus viewer utilizes the processing power of the GPU - therefore using a Mac with a high performance GPU is definitely an advantage. All current Mac's using discrete GPU's should give good performance, we do not recommend using a Mac that only incorporates an integrated Intel GPU.

Supported products
Image files from all Hasselblad FireWire and USB based digital camera products are supported. Tethered operation will work with the same range of cameras except for the first generation Ixpress series.
Capture of micro-step images is not supported.
Scanner 3F files are not supported.
3F files generated by Phocus are not backward compatible with FlexColor!

New features in 3.1

Keystone correction

A new keystone correction tool has been added. Here you can adjust the horizontal and vertical correction using sliders and you can make fine tuning of the aspect. Apart from the slider based interface there's also 3 different viewer tools available to setup the correction using guidelines. After having aligned the guidelines press the Apply button to update correction settings. Note that the amount slider can be used to select the percentage of vertical and horizontal correction applied. The guideline tools will adjust the vertical and horizontal offsets to match the exact theoretical correction - however for many images this may not look natural, therefore the amount slider will default to 80%. If you are actually doing reproduction work or similar you will probably want to set the amount to 100%.

Also note that the Crop & Orientation tool has a new Allow crop outside image check box. This is relevant both in relation to keystone correction but can also be useful when using just regular rotation.

Local adjustment of highlight recovery

A recovery slider has been added in the Adjustment Layers tool.

Viewer background and margin options

First of all theres now a proof mode available - a button to the right of the compare

mode button has been added to toggle proof mode on and off. In the Preferences General tab you can control both background color and margin independently for normal mode and proof mode. Also note that you can toggle between proof and normal mode using the keyboard short cut o.

Added response options

In previous versions you could select between a standard film response and a linear response via the Reproduction Mode check box in the Reproduction tool. This check box has now been replaced by a Response popup menu. The following options are available:

1) Standard

This corresponds to the Reproduction mode check box being unchecked in previous versions. It will give you a standard film curve response suitable for standard photography.

2) Reproduction

This corresponds to the Reproduction mode check box being checked in previous releases. It will give you a linear response thereby providing the best possible color reproduction. The linear response is tuned so that it will give you correct ISO sensitivity.

3) Reproduction Low Gain

The old reproduction mode added some gain in order to obtain the correct ISO sensitivity. This Low Gain mode also provides a strictly linear response but avoids adding any unnecessary gain and therefore in situations where you are able to increase the exposure correspondingly, using this low gain response will result in better quality images.

4) Negative

This inverted response will be suitable if you are reproducing B&W negatives. Please note that the EV, Shadow Fill and Highlight recovery adjustments apply to the image before the inversion has taken place. While of course you can also use this mode for color negatives handling those will also require the ability to specify separate shadow and highlight points for R, G and B and this feature has yet to be added.

Rodenstock eShutter support

With this shutter connected via USB you will know be able to control it’s aperture and shutter setting from within Phocus. The camera should be configured as pin-hole and a trigger cable connected from camera to eShutter.

Various improvements

- support for 10 bit deep color displays like for instance the 5K iMac

- CinemaDNG export has been changed to obtain better Adobe Premiere compatibility

- improved macOS 10.12 Sierra compatibility

- adds support for the XCD 30 lens

- also contains a large number of stability and usability improvement

Change log

V 3.1.2

- fixes an issue that prevented imports when no IPTC presets are present. This became relevant for new installs on macOS 10.12 where Phocus is no longer granted access to user Contacts and therefore will not create a default IPTC preset

- fixes possible tethered capture issues with H4D-40 and H4D-50 cameras

- adds further stability improvements

V 3.1.1

- the apply check box for the Keystone tool is now correctly handled

- images using keystone correction will now show up correctly in 100% view on Mobile clients

- fixes color calibration dialog issue when using rotated images

- fixes delayed fast preview with H3D cameras

- firmware update of H5D and older cameras has been reenabled

- current time is now correctly updated on H5D and older cameras

- fixes issues related to browsing and zooming into images placed on a network drive

- fixes potential hang issue related to activation of Mobile access on macOS 10.12.x

- also fixes a problem that prevented usage of the camera configuration dialog on 10.12.x

- adds workaround for yet another 10.12.x related issue that could lead to scrambling of the image shown in the color calibration dialog