

## Phocus 2.8.4 Mac read-me

February 20th 2014

### Compatibility

Mac OS X 10.6 or later is required and only 64 bit Mac's are supported. Phocus requires at least 2GB of memory, where 8GB or more is recommended.

It should be noted that at the time of writing there is some uncertainty regarding a possible FireWire issue on OS X 10.10 Yosemite. For now we have seen it on MBP's using the Thunderbolt FireWire adapter and running either the original 10.10 release or 10.10.1. The symptom is that image capture or live video will simply result in Phocus hanging. Once the issue has appeared you can restart Phocus and the camera and successfully do things like controlling aperture/shutter and mirror up/down. However any image capture or live video usage will again result in a hang. Rebooting the Mac will remove the problem. Please consult our Software download page for the latest news on this situation.

### 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. That being said all current Mac's using discrete GPU's should give good performance. We do discourage usage of the low performing Geforce GT120 which used to be the base level GPU on Mac Pro's some years ago.

#### Supported products

Image files from all Hasselblad FireWire 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 2.8

#### Capture Sequencer

This new tool enables various kind of tethered capture automation like interval capture, self timer and exposure bracketing. In an existing installation you will need to manually add it - or select to load the default tools for the Capture tab. Included is a number of factory presets demonstrating the various possible usage scenarios but you are free to set up your own sequences and save them as additional user presets.

Basically a sequence consists of a number of capture steps. For each step you can define aperture and/or shutter offsets relative to the exposure settings set when the sequence is started. Using the cycle button you can setup a number of repeats of all steps and indicate a timing interval for the repeats. It's also possible to setup a pre-delay thereby delaying the start of the sequence after pressing play.

#### Compare mode in landscape orientation

When using the viewer in compare mode it's now possible to select between portrait and landscape format. In the middle of the top viewer bar there's an A-B button that can be used to toggle between the 2 modes.

## New Hasselblad L\* RGB working space option

In the Reproduction tool a Working Space popup has been added that will allow you to select between **Hasselblad RGB** and **Hasselblad L\* RGB**. In previous versions of Phocus the working space would always be **Hasselblad RGB**. The new **Hasselblad L\* RGB** working space is especially relevant if you are working with image reproduction. As the name implies it's using an L\* gradient but also at the same time the gamut of the working space has been expanded compared to **Hasselblad RGB**.

Related to this new option the UI for selecting the input profile has changed slightly. Previously unless you were using your own custom profile you would want to select **Hasselblad RGB** in the profile menu. Since the profile needs to match the selected working space the profile menu now has an entry that says **Factory**. In effect this will select the factory input profile that matches the currently selected working space. If the working space is **Hasselblad RGB** factory will translate to the old **Hasselblad RGB** profile. If the selected working space is **Hasselblad L\* RGB** factory will be interpreted as the new **Hasselblad L\* RGB** profile.

Of course it should also be noted that in case you are doing custom profiles any existing profiles will need to be recalibrated if you select to use **Hasselblad L\* RGB**.

## Integration of self-calibrating Eizo displays

Calibration of these displays can now be handled directly from Phocus. This ensures that the display is setup to provide the best possible results for the viewing of Hasselblad images.

Once an eligible monitor is connected Phocus will show a dialog asking whether you want to handle calibration. If you choose to do this you will be guided to an extra Eizo tab in the Preferences window where it's possible to setup calibration options and start the actual calibration. This preference tab will also let you toggle whether Phocus should handle calibration or not.

It should be noted that it's not currently possible for us to integrate with calibrations made by Eizo's own ColorNavigator software. Therefore once you've made a calibration using Phocus launching ColorNavigator will switch the display back to the last calibration made by itself. When you switch back to running Phocus you will be prompted about this change and will get the opportunity to restore the calibration made by Phocus or alternatively stop handling the calibration from Phocus. In fact just running the ColorNavigator Agent will interfere so we recommend that you switch off that option in the ColorNavigator preferences dialog.

The calibration target chosen by Phocus will of course be optimized to work with our Hasselblad RGB and Hasselblad L\* RGB working spaces but it should be noted that the resulting calibration will also work well even if using a somewhat smaller working space like Adobe RGB in Photoshop. However if you routinely view images in much smaller working spaces like sRGB you should make a special calibration for this purpose using the Eizo Color Navigator software.

## Other improvements in 2.8

Compared to 2.7.6 these changes are also worth mentioning:

- thumbnails will automatically resize when changing the view size, provided that you are currently displaying a single line of thumbnails.
- export and import tasks will now generate system user notifications if possible. These will only be shown if Phocus is not in the foreground when the tasks complete and can be turned off via System Preferences
- an issue that would prevent using live video on an H5D in flash sync mode has been fixed

Also a number of minor fixes are included.

## Change log

### V 2.8.4:

- fixes a problem with scene calibration not being displayed correctly in the viewer for cameras other than H4D-60 and H5D-60.
- also fixes some minor viewer artifacts for high ISO H5D-50c images.

### V 2.8.3:

- when running CMOS live video in detail view you can now hold down space and drag the image in order to pan around (requires firmware 3.5.8R or later)
- also in CMOS live video the option to use automatic exposure control has been added via a check box in the viewer top bar (requires firmware 3.5.8R or later)
- support for the new live video feature in Phocus Mobile 2.2 has been added
- also related to the new external host feature in Mobile 2.2 it's now possible to configure a port number in Mobile preferences
- when viewing images in 100% or above you will now get a much more visible indication while the image is not yet shown in full quality
- a Rename command has been added to the Image menu
- processing enhancements for H5D-50c and CFV-50c
- all save dialogs involving selection of a destination folder has been updated to work properly also in hierarchical and cover flow mode. Previously the folder selected would always be the one shown at the top of the dialog.
- H5D-60 live video auto aperture functionality in detail view has been improved
- a viewer issue related to scene calibration on 60 mp images has been fixed
- various cosmetic issues related to OS X Yosemite has been fixed
- a problem related to fast browsing of images shown in 25% or above has been fixed.

The problem could lead to the wrong high resolution image being displayed

- fixes a problem with DNG export of multi-shot and 6 shot images
- an issue that prevented Phocus Mobile access on OS X 10.6.x and 10.7.x has been fixed

#### V 2.8.2:

- introduces live video support for the H5D-50c, note that sensor unit firmware R 3.4.3 or later is required
- the scene calibration tool has been much improved when handling 60mp tilt and shift images
- fixes issue with incorrect ISO handling of Ixpress files
- fixes a problem with incorrect DNG exports of 60mp images
- fixes an issue with missing fast previews during tethered capture for some older camera models. If zoomed in beyond 25% this could lead to missing display of new captures
- fixes possible crash issue when viewing multi-shot images
- fixes a problem that lead to missing dust removal on certain multi-shot images
- includes noise reduction adjustments for H5D-50c
- improved full screen viewer functionality on 10.9 when using multiple displays

#### V 2.8.1:

- adds support for the H5D-50c
- displays remaining time during long tethered exposures
- improved live video audio feedback
- the new EIZO CG277 monitor can now be calibrated by Phocus
- adds support related to Phocus Mobile 2.1
- fixes an issue that could lead to dark lines in exported images when using color noise reduction without lens correction