

Phocus 2.7.6 Mac read-me

December 5th 2013

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 4GB or more is recommended. If you are working with the H4D-60 or any multi-shot cameras we recommend 8GB of RAM.

System Requirements

Graphics adapters

Like other modern graphics applications Phocus utilizes the processing power available in the graphics card to provide precise real time feedback for adjustment changes. Therefore viewer performance is very much dependent on the quality of the graphics adapter. In general, more video RAM is better, especially if you plan to work with large displays or dual monitor setups. It is, however, important to stress that there can also be big performance differences between cheaper and more expensive GPU's even though they may contain the same amount of video RAM.

Recommended Mac configurations

For a desktop machine we suggest a Mac Pro with the Radeon HD 5770 graphics card. Even the bottom level 2.8 GHz Quad-Core model will give good performance - increasing the number of cores will primarily benefit file export performance and viewer speed at 100% zoom.

Also every model in the current iMac line should work well.

For a laptop choose a MacBook Pro with minimum 512MB of video RAM and a 7200 rpm harddrive or even better an SSD.

Non-recommended Mac configurations

MacBook, MacBook Air and Mac mini models are not optimal for Phocus usage primarily because of lacking GPU performance.

Supported products

All FireWire based Hasselblad camera units are supported.

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 2.7

Camera configuration tool

Select Camera Configuration in the Windows menu to open this tool which will enable you to edit basically every possible parameter of the camera. Please note that only H5D cameras are currently supported.

In the left side of the window you will find 2 list views containing sets of configuration profiles. The top view represents the connected camera and it's 8 user profile slots - 7 of which are editable. The bottom view represents a local library of profiles stored on disk. Drag and drop can be used to transfer between the 2 views.

The main part of the window represents the data of the currently selected profile. It's been split up in 3 different tabs Controls, Exposure and General.

Compressed multishot file format

Multi-shot and 6-shot images captured with this version will be stored using a new lossless compression. For 6-shot images this will typically result in files that are only a third the size of an uncompressed file - for multi shots the compressed file is approximately 2/3 of the uncompressed size. At the same time in the new format all 4 or 6 individual captures are stored separately giving us more flexibility in enhancing processing algorithms later on.

Please be aware that any multishot or 6-shot images captured with 2.7 will not be compatible with earlier Phocus versions!

Camera tool enhancements

A capture button has been added to the left of the live video button and further to the left you will find a battery indicator which currently will only show valid info if an H5D is connected. Also the aperture and shutter menus now have graphic indications of full steps.

Notifications

A notification feature has been implemented which will enable the display of software update messages.

Mirror mode

You can now toggle mirroring of the image by clicking the 'R' rotation indicator in the crop & orientation tool.

Crop - move by arrow keys

In crop mode you can now move the crop by using the arrow keys.

H5D support

Support for the new H5D cameras has been added.

Support for the new HCD 24 lens and the new Macro Converter

Lens corrections for these have been included.

Retina MacBook Pro support

Images will be displayed in full retina resolution.

Change log

2.7.6

- fixes live video issues with 60mp cameras
- a problem that could lead to pixel artefacts in Multi-shot or 6 shot images has been fixed
- supports portrait mode live video on H5D (requires SU firmware 2.5.1 or later)
- on 10.9 App Nap is avoided while a camera is connected ensuring that Phocus will always be ready to accept tethered captures even when no UI is currently visible on screen
- fixes a problem viewing rotated images in crop mode on Retina displays
- fixes a 10.9 related freeze issue seen on 2010 MBP's

2.7.5

- support for H5D-60 has been added
- fixes an OS X 10.9 related issue with selective color correction
- fixes issue with missing distortion correction on exported Multi Shot HTS captures
- live video support for CF cameras has been re-enabled
- fixes export issue related to cropped 6 Shot files
- fixes black level issue with multi-shot images exported as DNG
- fixes an issue leading to visible tile borders when zooming into 100% on Phocus Mobile while using a Retina MBP as the host

2.7.4

- support for H5D-50MS and H5D-200MS
- fixes a problem that could lead to artifacts when using lens corrections on HTS Multi Shot captures
- live video support for CFV cameras has been re-enabled
- a potential Phocus Mobile crash issue when using a camera without viewfinder has been fixed
- issues with the browse forward button has been fixed
- hidden boot volumes are no longer shown in the file browser
- previous/next arrows are now properly enabled/disabled

2.7.3

There never was a 2.7.3 Mac release - we've jumped directly to 2.7.4 in order to align with the Windows version

2.7.2

- H5D color handling has been improved
- improved noise reduction for high ISO H5D images
- improved consistency when picking white balance of high ISO images
- a number of issues related to multi-shot or 6 shot portrait mode captures has been solved
- the shutter menu for a CFV camera now correctly includes 1/3 step values
- a few issues in the Camera Configuration tool has been fixed
- free space is now correctly reported for volumes with more than 4TB available

2.7.1

- improved H5D support
- fixes crash issue when using HCD 24 with HTS
- fixes issue with H4D-60 tethered capture using exposure times longer than 0.3s.
- fixes a problem related to dust removal on Retina MBP's.
- an issue using scene calibration with 6-shot captures has been fixed
- it is now possible to capture multi-shot with Ixpress cameras
- version 2.7 introduced a color handling issue with H3D-39 cameras, this has now been resolved