Phocus 2.7.3 Windows read-me

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Installation

To install Phocus, run the installation bundle called Phocus 2.7.3 Setup.exe. This bundle contains Phocus, Hasselblad Device Drivers, Microsoft .NET Framework 4.0 client profile and a Microsoft Direct X SDK subset.

Compatibility

Phocus is supported on Windows XP (SP3 or later), Vista (SP1 or later), Windows 7 and Windows 8 in 64 or 32bit mode. Phocus is optimized for best performance in 64bit mode.

If working with multi-shot cameras we in general recommend running Phocus on Windows 64 bit systems. The H4D-200MS is only supported on Windows 64 bit systems.

To ensure a good user experience, it's recommended that your system at least conform to the requirements described in this document. Phocus may run on older and/or other operating systems and hardware. Hasselblad will however not guarantee correct operation or performance with these configurations, and consequently cannot offer technical support for these environments. This as well applies to operating Phocus on emulated operating systems like Parallels or VMWare. Phocus for Windows will run via Boot Camp (Mac).

All Hasselblad FireWire based camera units are supported. Capture or display of micro-step images is not supported. Scanner 3F files are not supported. 3F files generated by Phocus are not backward compatible with FlexColor!

System Requirements

Below you will find three different performance configuration examples. Please be aware that these examples are general and may vary depending on the manufacturer of the actual hardware and the operating system they run on. They may be used only as a basic guideline for configuring a computer to a given performance. To ensure a good user experience in Phocus, we recommend that your system at least conform to the "Acceptable Performance" example described below.

Recommended PC Configurations

Acceptable performance (Using 22" monitor or less)
Core 2 Duo (or AMD equivalent), 2GB memory, 512MB video RAM.

Good performance
Core 2 Quad (or AMD equivalent), 4GB memory, 512MB video RAM.

High Performance
Core i7 (or AMD equivalent), 8GB memory, 1GB video RAM.

If you are working with the H4D-60 or multi-shot cameras we recommend 8GB of RAM on a 64 bit Windows and 1GB of video RAM.

Non Recommended PC Configurations

Phocus will run using older and/or other configurations than the listed examples above. Hasselblad will however not guarantee correct operation or performance with these configurations. Older Pentium machines and/or main boards with onboard graphics

adapters are generally not recommended, as they provide less performance for Phocus to perform well.

Graphics card

At least 512MB of video RAM is required. Unlike older graphics applications such as Photoshop and FlexColor, Phocus utilizes the processing power available in the graphics card to provide precise real time feedback for adjustment changes. Therefore, just as with Aperture, the 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 30" displays or dual monitor setups. Not all graphic adapters are supported! As a minimum Direct X 9.0c compatible graphic adapters are required, yet not all are guaranteed to work. Generally speaking we recommend using either Nvidia or ATI chipset adapters, where Intel, Matrox and others are usually not performing sufficient with Phocus.

CPU

While viewer performance is very dependent on GPU (Graphics Processing Unit) power, the CPU (Central Processing Unit) will have the most influence on functions such as export where speed benefits from higher CPU clock rate (GHz) and maximum core utilization. It should also be mentioned that performance of the viewer at 100% and above is also CPU core and clock rate dependent. The above performance examples are not specific in regards to CPU speed (GHz). In general, the higher the speed of the CPU and the higher amount of cores you have, the higher performance you will achieve.

Memory (RAM)

2GB is acceptable but 4GB (or more) is a better choice especially if you are running Photoshop at the same time. Phocus for Windows will when running on a 64bit operating system, take full advantage of more than 2GB which may improve performance.

Functionality Level

The Windows version only supports tiff and jpg as 3rd party files. The 32 bit version does not support the compressed multi shot format.

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

Multishot 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!

Also note that when running the 32 bit version, which is generally not recommended for multishots, the old uncompressed format will still be used.

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.

Phocus Mobile 2.0 support

A number of new features have been added in Mobile 2.0 and most of these rely on the corresponding support which has been added to Phocus 2.7 Windows. Most important new features are 100% zoom, support for simultaneous connection of multiple clients as well as the possibility of restricting folder navigation.

Change log

2.7.3

- Language bug fixed. Phocus crashed if the language of the windows installation did not match one of the language that Phocus supports.
- The language of the welcome dialog was not applied correctly
- Camera configurator did not update if only the image quality was changed

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
- some localizations issues related to name presets has been fixed
- a number of changes that can make the "Change folder" flow more stable
- Sync white-balance with camera when Phocus starts up
- Crop icon in viewer bar did not update if there was other icons
- Curve tool now shows colored curves.
- The current directory was not always remembered
- Unknown profile in 3rd party file could cause a crash
- The file time of 3rd party files was not adjusted to the correct time zone
- The sort options are now remembered from launch to launch

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.
- an issue using scene calibration with 6-shot captures has been fixed
- it is now possible to capture multishots with Ixpress cameras
- version 2.7 introduced a color handling issue with H3D-39 cameras, this has now been resolved
- fixes a crash when reading 3rd party files
- a number of changes are made in the Camera Configurator
- unable to capture with Ixpress backs
- the installation did not always install driver and profiles
- upgrade IPTC core presets and IPTC keywords presets from 2.6.4 and earlier
- fixes scrambled preview when iso is different from base iso and the capture was initiated from Phocus
- "There is no disk in drive..." message is removed
- avoid crash if media is removed while reading preview
- 64 bit version could crash when showing the import or export dialog
- progress is now shown when reading images from a CF card mounted in an H5D.
- 32 bit crash when reading cf card.
- HW preview was not shown in 32 bit
- 100% zoom on 3rd party files in the viewer did not always update
- fixes a rename user adjustment bug
- colored histogram baseline removed
- 3rd party files did not get default settings
- JPEG with EXIF orientation are rotated according to the tag