CAPTURE ONE

RAW Converter and Photo Editing Software

Release Notes

PHASEONE

Capture One 6.3.4 Release Notes

Capture One 6 is a raw converter and workflow software which enables photographers to reduce the time and effort required to deliver stunning ready-to-use images with excellent color and detail.

Capture One 6 is designed to create the best image quality on the market and holds a series of easy-to-use tools created to match the professional photographer's daily workflow.

Capture One 6 is made by Phase One, the World's leading manufacturer of high-end digital camera systems, in collaboration with the World's leading professional photographers.

Capture One 6 comes in three versions: Express, Pro and DB.

Capture One 6.3.4 is a free update to existing owners of Capture One 6.

Highlights, version 6.3.4

This is a service release improving quality.

Bugfixes

- Improved stability when using OpenCL in combination with certain graphics cards.
- Improved tethered stability on Mac.
- Camera counter no longer resets for certain cameras on Mac OS 10.7
- Fixed a crash on the French Windows version.

Camera Support

Final (not preliminary) support for the following cameras:

- Nikon J1, V1 and P7100
- Panasonic DMC-GX1, DMC-GF3 and DMC-G3
- Ricoh GR DIGITAL IV
- Sony NEX-7 and NEX-5N

Highlights, version 6.3.3

This is a service release providing additional camera support and improving quality.

Enhancements

The following quality enhancements are provided:

- Better color noise suppression in previews.
- Improved ISO 400 and ISO 800 noise settings for P20, P20+, P21, P21+, P25 and P25+.
- Linear film curves for Leaf Aptus-II and Afi-II series backs.
- New firmware for a number of Leaf backs.

In addition, a number of minor improvements.

Camera Support

The following cameras have been added:

- Canon S100 (preliminary)
- Fuji X10 (preliminary)
- Nikon J1, V1, P7100 (all preliminary)
- Panasonic DMC-GX1 (preliminary)
- Ricoh GR DIGITAL IV (preliminary)
- Sony SLT-A35, DSLR-A450 (all preliminary)

Highlights, version 6.3.2

This is a service release providing additional camera support and improving quality.

Enhancements

The following quality enhancements are provided:

- Improved colors and noise defaults for Samsung NX11.

Bugfixes

The following issues are addressed:

- Fixed an issue with cursor tools not working properly on Mac OS 10.7.2.
- Fixed an issue causing MobileBackups to show up as a volume in the library tool.
- Other bug fixes.

Camera Support

The following cameras have been added:

- Samsung NX200.
- Pentax Q.
- Accepts both PEF and DNG format for all Pentax models supported.
- Olympus Pen E-PM1.

Highlights, version 6.3.1

This is a service release improving quality.

Bugfixes

Fixed a single issue that might cause the application to crash on Mac OS 10.5.8 Leopard only.

Highlights, version 6.3

This is a minor release providing additional features, improved quality and additional camera support.

Features and Enhancements

The following new features and enhancements are provided:

- Support for Mac OS 10.7 Lion
- Lion style fullscreen on Mac OS 10.7
- Lion style scrollbars on Mac OS 10.7
- Further improved LCC when used with some wide-angle lenses on technical cameras
- Use of OpenCL supported on Mac OS 10.7
- Improved noise defaults for Phase One IQ180
- Improved noise defaults for Olympus XZ-1
- Enhanced support for Samsung NX10 and NX11
- Improved default colors for Fuji X100

Bugfixes

In particular, the following issues are addressed:

- Fixed an issue on Windows causing the WIC codec to block access to files.
- Fixed an issue on Mac OS 10.7 causing the importer to crash.
- Fixed a keyboard shortcut issue on Mac OS 10.7
- Fixed a number of visual artifacts and other small issues on Mac OS 10.7
- Fixed a number of issues related to LCC and ICC in particular when used in styles and presets.

In addition the release contains fixes for a number of other minor issues.

Camera Support

Support for the following cameras has been added:

- Olympus E-P3 and E-PL3
- Sony NEX-7, NEX-5N, SLT-A77, SLT-A65 (all preliminary)

Lens Support

Support for the following lenses has been added:

- Schneider Kreuznach LS 150mm

You can learn more about the new release at: http://www.phaseone.com/6.

System requirements

Capture One 6.3.4 may run on other and older equipment than what's listed below but to ensure the best possible results we recommend that your computer conforms to the following specifications:

Microsoft® Windows® Minimum Requirements

- Intel® Pentium® D or better
- 4 GB of RAM
- 10 GB of free hard disk space
- Calibrated color monitor with 1280 x 800, 24 bit resolution at 96dpi screen ruling
- Windows XP® SP3 (32bit only), Windows Vista® SP2 (32 and 64bit), Windows 7® SP1 (32 and 64bit)
- Microsoft® .NET Framework version 4.0 (will be installed if not present)
- A PDF reader is needed to read the Release Notes
- Flash is required to view the video on the Welcome Screen
- An Internet connection when activating Capture One

Apple® Macintosh® Minimum Requirements

- Intel-based Mac
- 4 GB of RAM
- 10 GB of free hard disk space
- Calibrated color monitor with 1280 x 800, 24 bit resolution at 96dpi screen ruling
- Mac OS X 10.7.1, 10.6.8, 10.5.8 or later
- Flash is required to view the video on the Welcome Screen
- An Internet connection when activating Capture One

Recommended System Requirements

Working with high resolution camera systems, doing certain types of adjustments or doing many things simultaneously may put too much pressure on a minimum requirements system to work properly. In such cases and to optimize performance, please follow the recommendations below:

- Use processors with multiple cores, e.g. Intel Core™ Duo or better
- For Windows systems use Windows 7 64bit version.
- Have 8 GB of RAM or more
- Leave plenty of hard disk space free for your images.
- A fast hard disk e.g. a Solid State Disk (SSD)

Installation

Capture One 6.3.4 is compatible with previous 5.x and 4.x versions.

If you upgrade from any Capture One 5 version the settings will be shared. If you upgrade from any Capture One 4 version the settings will be migrated. If you upgrade from any version of Capture One 3, the original settings cannot be reused.

If you want to keep your existing versions of Capture One 4 or Capture One 5 you can install this newer version of Capture One 6 in a different location. However, it is generally recommended that you only install one version of Capture One.

Install on Windows

Capture One includes an easy-to-use installer that will install all the software you need to run the application on a Windows based computer.

To install the software, please follow the procedure below:

1. Load the Capture One CD, or download the application from the Phase One website: http://www.phaseone.com
2. Run the executable software install file.
3. Read and accept the license agreement when presented.
4. Follow the on-screen instructions to complete the installation.

Install on Mac OS X

Capture One includes an easy-to-use installer that will install all the software necessary to run the application on Mac OS X.

To install the software, please follow the procedure below:

1. Load the Capture One CD, or download the application from the Phase One website: http://www.phaseone.com
2. Open the Capture One disk image.
3. Read and accept the license agreement when presented.
4. Drag the Capture One icon to the Applications folder.
5. Start the Capture One application from your Applications folder.

In addition Leaf and Mamiya DM Back users should install specific Leaf drivers before connecting their back by selecting Install Leaf Drivers from the Capture One menu in the application. We recommend that you Quit Capture One and restart the computer after the installation.

RAW file support

Capture One 6.3.4 DB supports RAW files from the following digital backs/cameras:

Phase One:	IQ180, IQ160, IQ140, P65+, P40+, P45+, P30+, P21+, P25+, P20+, Achromatic+, P45, P30, P25, P21, P20, H 25, H 20, H 101, H 10, H 5, LightPhase.
Mamiya:	DM56, DM40, DM33, DM28, DM22, M31, M22, M18.
Leaf:	Aptus-II 12R, Aptus-II 12, Aptus-II 10R, Aptus-II 10, Aptus-II 8, Aptus-II 7, Aptus-II 6, Aptus-II 5, AFi-II 12, AFi-II 10, AFi-II 7, AFi-II 6.

Additionally Capture One 6.3.4 Express / Pro supports RAW files from the following digital backs/cameras:

Leaf:	Aptus 75S, Aptus 65S, Aptus 54S, AFi 7, AFi 6, AFi 5, Aptus 75, Aptus 65, Aptus 22, Aptus 17.
Mamiya:	MZD, ZD Back.
Canon:	1D Mark IV, 1Ds Mark III, 1D Mark III, 1D Mark II N, 1Ds Mark II, 1D Mark II, 1Ds, 1D, 7D, 5D Mark II, 5D, 60D, 50D, 40D, 30D, 20D, 10D, 600D/Rebel T3i, 550D/Rebel T2i, 500D/Rebel T1i, 450D/Rebel XSi, 400D/Rebel XTi, 350D/Rebel XT, 300D/Rebel, 1100D/Rebel T3, 1000D/Rebel XS, D60, D30, Pro 1, G12, G11, G10, G9, G6, G5, G3, G2, S100 (preliminary), S95, S90.
Epson:	R-D1s, R-D1.
Fuji:	S5 Pro, S3 Pro, S2 Pro, X100, X10 (preliminary).
Konica Minolta:	Alpha 5 D / Maxxum 5 D / Dynax 5 D, Alpha 7 D / Maxxum 7 D / Dynax 7 D, A1, A2.
Leica:	D-Lux 5, X1, M9, M8, D-Lux 4, Digilux 3, Digital Module R for R8 and R9 cameras.
Nikon:	D3s, D3X, D3, D2Xs, D2X, D2Hs, D2H, D1X, D1H, D700, D300s, D300, D200, D100, D90, D80, D70s, D70, D60, D50, D40X, D40, D7000, D5100, D5000, D3100, D3000, P7100, P7000, P6000, J1, V1.
Olympus:	E-5, E-PL3, E-PL2, E-PL1, E-PM1, XZ-1, E-620, E-3, E-520, E-510, E-450, E-P3, E-P2, E-P1, E-420, E-410, E-500, E-1, E-10, E-20, E-30, E-330, E-300, E-400, C-7070, C-8080.
Panasonic:	DMC-GX1, DMC-GF3, DMC-GF2, DMC-GF1, DMC-GH2, DMC-G3, DMC-G2, DMC-GH1, DMC-G1, DMC-G10, DMC-LX5, DMC-LX3, DMC-FZ100, DMC-FZ45.
Pentax:	K-5, K-r, K20D, K10D, K7, KX, K200D, K110D, K100D Super, K100D, K2000/K-m, *istDL2, *istDL, *istD, *istDS2, *istDS, Q. Only PEF files supported.

Ricoh:	GR DIGITAL IV, GR DIGITAL III, GR DIGITAL II, GR DIGITAL, GX100, GX200, GRX S10, GXR P10, GXR A12.
Samsung:	NX11, NX10, NX5, NX200, NX100.
Sony:	DSLR-A900, DSLR-A850, DSLR-A700, DSLR-A580, DSLR-A550, DSLR-A500, DSLR-A450 (preliminary), DSLR-A380, DSLR-A350, DSLR-A330, DSLR-A300, DSLR-A230, DSLR-A200, DSLR-A100, DSC-R1, SLT-A77 (preliminary), SLT-A65 (preliminary), SLT-A55, SLT-A35 (preliminary), SLT-A33, NEX-7, NEX-5N, NEX-5, NEX-C3, NEX-3.
Adobe:	DNG 1.2 (raw DNG support only). The DNG support is not optimized for specific cameras.

Tethered camera support

Capture One 6.3.4 Pro / DB has tethered support for the following digital backs/cameras:

Phase One:	IQ180, IQ160, IQ140, P65+, P40+, P45+, P30+, P21+, P25+, P20+, Achromatic+, P45, P30, P25, P21, P20, H 25, H 20, H 101, H 10, H 5, LightPhase.
Mamiya:	DM56, DM40, DM33, DM28, DM22, M31, M22, M18.
Leaf:	Aptus-II 12R, Aptus-II 12, Aptus-II 10R, Aptus-II 10, Aptus-II 8, Aptus-II 7, Aptus-II 6, Aptus-II 5, AFi-II 12, AFi-II 10, AFi-II 7, AFi-II 6.

Additionally Capture One 6.3.4 Pro has tethered support for the following cameras:

Leaf:	Aptus 75S, Aptus 65S, Aptus 54S, AFi 7, AFi 6, AFi 5, Aptus 75, Aptus 65, Aptus 22, Aptus 17.
Canon:	1D Mark IV, 1Ds Mark III, 1D Mark III, 5D Mark II, 7D, 60D, 50D, 40D, 600D/Rebel T3i, 550D/Rebel T2i, 500D/Rebel T1i, 450D/Rebel XSi, 1100D/Rebel T3, 1000D/Rebel XS. Some older Canon models may work to some extent but no support is provided for these.
Nikon:	D3s, D3x, D3, D700, D300, D300s, D200, D90, D80, D60, D7000, D5000, D40x, D40.

The extent of tethered support will vary depending on the back/camera connected. Live View is not supported for Canon and Nikon.

Recommendations and Limitations

All Users

- When you have disconnected a camera do not reconnect a camera until the Camera tool status changes to "No Camera Attached".

DSLR Users

- For Canon 5D, 20D and 350D/Rebel XT: Set the camera's communication setting to PC connection or Normal to enable remote capture. Do not use the Print/PTP or PTP setting.
- Connecting some Canon cameras to the computer after launching Capture One might result in tethered capture being unavailable. If you experience this, connect the camera to the computer prior to launching Capture One.

Back Users

- For tethered shooting with Phase One Digital Backs make sure that your system can either supply at least 10W power via Firewire (more than most laptops can supply) or make sure to activate the "Force Battery" setting on the back. Use the 4.5m Phase One Firewire cable.
- For tethered shooting with Leaf and Mamiya DM digital backs make sure that your system can supply at least 12W power via Firewire (more than most laptops can supply). Use a Leaf or Mamiya Firewire cable.
- Do not open the shutter on the camera prior to opening the Live View window. Doing so will generate errors on the digital back after closing the Live View window. The recommended procedure for using Live View is to first open the Live View window, then open the shutter on the camera, use Live View as desired, when done, close the shutter on the camera, and close the Live View window.
- For Leaf Backs and Mamiya DM systems, the camera body must be selected in preferences before connecting the back.
- For Leaf Backs and Mamiya DM systems, in the case of a communication error during firmware upload, please wait 10 minutes before disconnecting the FireWire cable.
- Leaf Aptus II 8 only works with black and white live view.

Known Issues

Below you will find a list of known issues for Capture One 6.3.4 at the time of shipping.

All Users

- Sessions are not cross platform compatible.
- Browsing folders containing unsupported image files may affect application performance.
- Image previews created with a version prior to Capture 4.7 will be updated with Capture One 6.3.4. The first time you access folders with existing Capture One previews the application performance can be slow.
- Presets made with Capture One 6 are not compatible with older versions of Capture One.
- Using e.g. a US laptop keyboard it might be preferable to change some of the standard keyboard shortcuts.

Mac Users

- Certain versions (e.g. 2.4) of the Logitech Control Center may conflict with the tethered capture functionality of Capture One. We strongly recommend upgrading to the latest version of the Logitech Control Center.
- It is only possible to show the Capture One toolbar in "Icon Only" mode.
- Continuous tethered capturing may become unstable on Mac OS X 10.7 during continued use. Restarting Capture One periodically is recommended as a possible workaround.

Windows Users

- Library tool cannot be closed or moved from the default tab.
- Windows drivers are required for some older models of Canon DSLR cameras to be able to shoot tethered. These drivers are available from Canon's web site.
- If you have Bonjour 2.0.3 installed you may experience problems with Capture Pilot. Bonjour 2.0.2 (shipping with Capture One 6.) and 2.0.4 (shipped with iTunes) have been tested to work with Capture Pilot. To check the version number of Bonjour, go to 'Control Panel' and select 'Programs and Features' ('Add/Remove Programs' on WinXP).
- Nikon D80 and Nikon D200 will not tether on Windows 7.
- On Windows 7, an insufficient bandwidth error may occur while tethering with a Phase One digital back. Fixed with Microsoft hotfix 2589986.

Troubleshooting and support

For troubleshooting assistance and support please refer to our on-line resources at:
http://www.phaseone.com/support

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