

# Capture One

THE PROFESSIONAL CHOICE IN IMAGING SOFTWARE



Release Notes

PHASE**ONE**

## ***Capture One 7.2.4 Release Notes***

Capture One 7 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 7 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 7 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 7 comes in three versions: Pro, DB and Express.

## ***Highlights, version 7.2.4***

This is a service release providing camera and lens support with a few bug and crash fixes.

### **Camera support**

- File support for Nikon D810
- File and tethered support for Leaf Credo 50

### **Bug fixes**

- Fixes a bug where keyboard shortcuts might not work correctly
- Fixes a crash that might happen when using the Library Inspector Tool
- Fixes a crash that might happen when adding an Album
- Fixes a bug on Windows where LiveView does not focus correctly

## Lens support

- ZUIKO DIGITAL ED 50-200mm 1:2.8-3.5 SWD (Olympus 4/3)
- ZUIKO DIGITAL ED 35-100mm 1:2.0 (Olympus 4/3)
- ZUIKO DIGITAL ED 50-200mm 1:2.8-3.5 SWD (Olympus 4/3)
- Sony 35 mm F1.4G (SAL 35F14G)
- Sony 50 mm F2.8 Macro (SAL50M28)
- Sony DT 11-18 mm F4,5-5,6 (SAL1118)
- Sony DT 16-50mm F2.8 SSM (SAL1650)
- Sony 70-300mm F4.5-5.6 G SSM (SAL 70300G)
- Sony E 50mm F1.8 OSS (SEL50F18)
- Sony 100mm F2.8 Macro (SAL100M28)
- Sony 85 mm F2.8 SAM (SAL85F28)
- Canon EF 300mm f/4L IS USM
- Carl Zeiss Distagon T\* 24mm F2 ZA SSM (SAL24F20Z)
- Carl Zeiss Vario-Sonnar T\* 16-35mm F2.8 ZA SSM (SAL1635Z)
- Carl Zeiss Sonnar T\* 135 mm F1.8 ZA (SAL 135F18Z)
- Carl Zeiss Vario-Sonnar T\* 24-70 mm F2.8 ZA SSM (SAL 2470Z)
- Carl Zeiss Planar T\* 85 mm F1.4 ZA (SAL85F14Z)

## ***Highlights, version 7.2.3***

This is a service release providing camera and lens support with a number of bug fixes.

### **Camera support**

- File and tethered support for Canon EOS 1200D/Rebel T5
- File support for Canon G1X mark II
- File support for Olympus Stylus 1
- File support for Sony NEX-5T, a5000, a6000
- File support for Panasonic GH4
- File and tethered support for Phase One iXU150
- Tethered support for Nikon D4s

### **Lens support**

- Schneider Kreuznach LS 40-80mm f/4.0-5.6
- Olympus ZUIKO DIGITAL ED 7-14mm 1:4.0
- Olympus ZUIKO DIGITAL ED 9-18mm 1:4.0-5.6
- Olympus ZUIKO DIGITAL 11-22mm 1:2.8-3.5
- Olympus ZUIKO DIGITAL ED 12-60mm 1:2.8-4.0 SWD
- Olympus ZUIKO DIGITAL ED 14-35mm 1:2.0 SWD
- Olympus ZUIKO DIGITAL 14-54mm 1:2.8-3.5 II
- Olympus ZUIKO DIGITAL ED 50mm 1:2.0 Macro
- Olympus ZUIKO DIGITAL ED 150mm 1:2.0
- Olympus ZUIKO DIGITAL ED 300mm 1:2.8
- Sigma 10-20mm F4-5.6 EX DC HSM (Canon EF)
- Sigma 50-500mm F4.5-6.3 APO DG OS HSM (Canon EF)
- Sigma 70-300mm F4-5.6 APO DG Macro (Canon EF)
- Sigma APO Macro 180mm F2.8 EX DG OS HSM (Canon EF)
- Sigma 12-24mm F4.5-5.6 DG HSM II (Nikon F)

## **Bug fixes for Windows**

- Fixed a hang when exporting and minimizing window
- Fixed a bug where all files would not be loaded in a collection
- Fixed a bug where pressing enter in a floating tool created a new compare variant
- Fixed startup crash if an invalid path was in the document history
- Fixed a bug where plugging and unplugging some Nikon cameras could cause a crash

## **Bug fixes for Mac**

- Fixed a bug relating to ratings and filters being applied incorrectly
- Fixed a bug where creating a new session caused keyboard shortcuts to be unusable
- Fixed a bug where buttons in the Library Tool would not work during import
- Fixed a bug where opening with Capture One in Finder did not open correctly

## ***Highlights, version 7.2.2***

This is a service release providing a few important bug fixes.

### **Bug fixes**

- Fixed an EIP issue typically occurring when using EIP in conjunction with LCC and local adjustments.
- Fixed an issue with extensive logging.
- Fixed a few thumbnail issues including a stability issue related to generation of thumbnails for jpeg images.
- Fixed an issue that could cause subtle processing differences depending on if OpenCL was enabled or not.
- A few other fixes.

## ***Highlights, version 7.2.1***

This is a service release providing support for a large number of new cameras, lenses, improvements and bug fixes.

### **Camera file support**

- Fujifilm X-T1, XQ1 and X-A1.
- Nikon D4s.
- Olympus E-M10.
- Pentax K-3.
- Sony A390, a3000 and NEX-5T.

### **Lens support**

- Canon: EF-S 18-135mm f/3.5-5.6 IS STM and EF-S 18-55mm f/3.5-5.6 IS STM.
- Nikon Waterproof 1: NIKKOR AW 10mm f/2.8 and NIKKOR AW 11-27.5mm f/3.5-5.6.
- Sigma (Canon EF): 17-50mm F2.8 EX DC OS HSM, 17-70mm F2.8-4 DC Macro OS HSM | C, 18-35mm F1.8 DC HSM | A, 24mm F1.8 EX DG ASP Macro and 28mm F1.8 EX DG ASP Macro, 50mm F2.8 EX DG Macro.
- Sigma (Nikon F): 20mm F1.8 EX DG ASP RF.
- Sigma (Sony E): 60mm F2.8 DN | A.
- Sony E: FE 28-70mm F3.5-5.6 OSS (SEL2870).
- Fixed lens cameras: Canon PowerShot G16, Canon PowerShot S120, Nikon COOLPIX P7700, Nikon COOLPIX P7800 and Sony Cyber-shot DSC-RX10.



## **Improvements and bug fixes**

- Enhanced color profiles for Phase One IQ250, Olympus E-M10 and Fujifilm X-E2.
- Fixed an OpenCL related issue on the new Mac Pro with D300 and D500 graphics cards.
- Fixed a number of live view issues on Mac and Windows.
- Stitch AppleScript now supports the latest version of Photoshop.
- Fixed an issue with Regenerate Previews on Mac.
- Fixed an issue with Delete Permanently in sessions on Mac.
- Fixed a couple of issues related to style management on Mac.
- Fixed an issue occurring when shooting tethered to EIP on Windows.
- Fixed an issue preventing renaming of files referenced by a UNC path on Windows.
- Improved robustness of catalogs on Mac.
- A number of other bug fixes.

## ***Highlights, version 7.2***

This release provides support for the new Phase One IQ250 digital back and offers a large number of improvements related to key features of the IQ250. In addition it fixes a number of bugs.

### **Camera file support**

- Phase One IQ250.

### **Camera tethered support**

- Phase One IQ250.

### **Improvements and bug fixes**

- Improved live view frame rate on Mac.
- Improved live view alignment between Mac and Windows
- Fixed a number of live view issues.
- Improved tethered stability on Mac.
- Fixed some XMP syncing issues.
- Improved importer performance on Mac.
- Fixed a stability issue related to collapsing of stacks on Mac.
- Fixed a stability issue related to reordering jobs in the batch queue on Mac.
- Fixed some LCC issues.
- A number of other bug fixes.

## **System requirements**

Capture One 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 Core 2™ Duo 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 Vista® SP2 64bit, Windows 7® SP1 64bit, Windows 8.1® 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 intro video
- An Internet connection when activating Capture One

### **Apple® Macintosh® minimum requirements**

- Intel Core 2™ Duo 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
- OS X 10.9.2, 10.8.5, Mac OS X 10.7.5 or later.
- Flash is required to view the intro video
- 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 i7™ or better
- Have 16 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)
- A fast Graphics card from NVIDIA or AMD, e.g. AMD Radeon 7950 (Mac) / 7970 (Win) or newer, with minimum 2GB RAM. The best performance we get using the Mac Pro (late 2013) containing the dual AMD D700 GPU.

## ***Installation***

Capture One is compatible with previous 6.x, 5.x and 4.x versions.

If you upgrade from any Capture One 6, Capture One 5 or 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, Capture One 5 or Capture One 6 you can install this newer version of Capture One 7 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 OS X**

Capture One includes an easy-to-use installer that will install all the software necessary to run the application on 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 DB supports RAW files from the following digital backs/cameras:**

- Phase One: IQ280, IQ260, IQ260 Achromatic, IQ250, IQ180, IQ160, IQ160 Achromatic, IQ140, iXU150, 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: Credo 80, Credo 60, Credo 50, Credo 40, 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 Pro and Express support 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 C, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III, 1D Mark II N, 1Ds Mark II, 1D Mark II, 1Ds, 1D, 5D Mark III, 5D Mark II, 5D, 6D, 7D, 70D, 60D, 50D, 40D, 30D, 20D, 10D, 700D/Rebel T5i, 650D/Rebel T4i, 600D/Rebel T3i, 550D/Rebel T2i, 500D/Rebel T1i, 450D/Rebel XSi, 400D/Rebel XTi, 350D/Rebel XT, 300D/Rebel, 100D/Rebel SL1, 1200D/Rebel T5, 1100D/Rebel T3, 1000D/Rebel XS, 100D/Rebel SL1, D60, D30, M, Pro 1, G1 X mk II, G1 X, G16, G15 (preliminary), G12, G11, G10, G9, G6, G5, G3, G2, S120, S110, S100, S95, S90.
- Epson: R-D1s, R-D1.
- Fuji: X-T1, XQ1, X-A1, X-M1, X-Pro1, X-S1, X-E2, X-E1, XF1, S5 Pro, S3 Pro, S2 Pro, X100S, X100, X20, X10.
- Konica Minolta: Alpha 5 D / Maxxum 5 D / Dynax 5 D, Alpha 7 D / Maxxum 7 D / Dynax 7 D, A1, A2.
- Leica: M Typ 240, M Typ 220, M-Monochrom, X2, X1, X Vario, M9, M8, V-Lux 4, D-Lux 6, D-Lux 5, D-Lux 4, Digilux 3, Digital Module R for R8 and R9 cameras.
- Nikon: D4s, D4, D3s, D3X, D3, D2Xs, D2X, D2Hs, D2H, D1X, D1H, D810, D800, D800E, D700, D610, D600, D300s, D300, D200, D100, D90, D80, D70s, D70, D60, D50, D40X, D40, D7100, D7000, D5300, D5200, D5100, D5000, D3200, D3100, D3000, DF, P330, P7800, P7700, P7100, P7000, P6000, 1 AW1, J3, J2, J1, V2, V1, S1, Coolpix A.

Olympus: Stylus 1, E-5, E-P5, E-PL5, E-PL3, E-PL2, E-PL1, E-PM2, E-PM1, XZ-2 iHS, XZ-1, XZ-10, E-620, E-3, E-520, E-510, E-450, E-M1, E-M5, E-M10 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: GX7 (preliminary), GX1, GF6 (preliminary), GF5, GF3, GF2, GF1, GH4, GH3, GH2, GH1, G6, G5, G3, G2, G1, G10, LX7, LX5, LX3, FZ72, FZ45, FZ200, FZ150, FZ100, LF1.

Pentax: K-01, MX-1, K-3, K-5 IIs, K-5 II, K-5, K50, K-30, K-r, K20D, K10D, K7, KX, K200D, K110D, K100D Super, K100D, K2000/K-m, \*istDL2, \*istDL, \*istD, \*istDS2, \*istDS, Q10, Q7, Q. Only PEF files supported.

Ricoh: GR, GR DIGITAL IV, GR DIGITAL III, GR DIGITAL II, GR DIGITAL, GX100, GX200, GRX S10, GXR P10, GXR A16, GXR A12.

Samsung: EX2F, NX20, NX11, NX10, NX5, NX300, NX210, NX200, NX100, NX1000.

Sony: A7R, A7, A99, A77, A65, A58, A57, A55, A35, A33, A900, A850, A700, A580, A550, A500, A450, A390, A380, A350, A330, A300, A230, A200, A100, a6000, a5000, a3000, RX1R, RX1, R1, RX10, RX100 II, RX100, NEX-7, NEX-6, NEX-5T, NEX-5R, NEX-5N, NEX-5, NEX-3N, NEX-F3, NEX-C3, NEX-3.

Adobe: CinemaDNG, Linear DNG, DNG 1.2 (raw DNG support only). The DNG support is not optimized for specific cameras.

## ***Tethered camera support***

### **Capture One DB has tethered support for the following digital backs/cameras:**

- Phase One: IQ280, IQ260, IQ260 Achromatic, IQ250, IQ180, IQ160, IQ160 Achromatic, IQ140, iXU150, 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: Credo 80, Credo 60, Credo 50, Credo 40, 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 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 X, 1D Mark IV, 1Ds Mark III, 1D Mark III, 5D Mark III, 5D Mark II, 6D, 7D, 70D, 60D, 50D, 40D, 700D/Rebel T5i, 650D/Rebel T4i, 600D/Rebel T3i, 550D/Rebel T2i, 500D/Rebel T1i, 450D/Rebel XSi, 1200D/Rebel T5, 1100D/Rebel T3, 1000D/Rebel XS, and 100D/Rebel SL1.  
Some older Canon models may work to some extent but no support is provided for these.
- Nikon: D4s, D4, D3s, D3x, D3, D800, D800E, D700, D600, D300, D300s, D200, D90, D80, D60, D7100, D7000, D5200, D5100, D5000, D40x, D40.

The extent of tethered support will vary depending on the back/camera connected. Live View may not be supported for all cameras.

## ***Lens support***

### **Capture One DB provides profiles for the following lenses:**

- Phase One: Digital AF 120mm f/4 Macro, Digital AF 150mm (2x Tele) f/5.6, Digital AF 150mm f/2.8 IF, Digital AF 28mm f/4.5 Aspherical, Digital AF 35mm f/3.5, Digital AF 45mm f/2.8, Digital AF 80mm f/2.8, Digital Zoom AF 75-150mm f/4.5, MF 120mm f/4 Macro, 45mm TS f/3.5,
- Schneider Kreuznach: LS 110mm f/2.8, LS 150mm (2x Tele) f/7.0, LS 150mm f/3.5, LS 240mm (2x Tele) f/9.0, LS 240mm f/4.5, LS 28mm f/4.5 Aspherical, LS 55mm f/2.8, LS 75-150mm f/4-5.6, LS 80mm f/2.8, LS 40-80mm f/4.0-5.6
- Mamiya: Sekor 120mm f/4.0 AF Macro, Sekor 120mm f/4.0 MF Macro, Sekor AF 150mm IF D (2x Tele) f/5.6, Sekor AF 150mm f/2.8 IF D, Sekor AF 28mm f/4.5 Aspherical D, Sekor AF 80mm f/2.8 D, Sekor LS 110mm f/2.8 D, Sekor LS 150mm (2x Tele) f/7.0, Sekor LS 150mm f/3.5, Sekor LS 240mm IF (2x Tele) f/9.0, Sekor LS 240mm f/4.5, Sekor LS 55mm f/2.8 D, Sekor LS 80mm f/2.8 D, A 200mm f/2.8 APO, A 300mm f/2.8 APO, A 500mm f/4.5 APO, AF 35mm f/3.5, AF 45mm f/2.8
- Carl Zeiss (Hasselblad V): Distagon T\* 2.8/80 CFE, Distagon T\* 3.5/60 CFE, Distagon T\* 4/40 IF CFE, Makro-Planar T\* 4/120 CFE.
- Carl Zeiss (Contax 645): Apo-Makro-Planar T\* 4/120, Distagon T\* 2.8/45, Distagon T\* 3.5/35, Distagon T\* 3.5/55, Planar T\* 2/80, Sonnar T\* 2.8/140, Sonnar T\* 4/210.
- Hasselblad: HC 2.2/100, HC 2.8/80, HC 3.2/150, HC 3.5-4.5/50-110, HC 3.5/35, HC 4/120, HCD 4/28



**Additionally Capture One Pro and Express provide profiles for the following lenses:**

- Canon: EF 100-400mm f/4.5-5.6L IS USM, EF 100mm f/2.8L Macro IS USM, EF 135mm f/2L USM, EF 16-35mm f/2.8L II USM, EF 17-40mm f/4L USM, EF 20mm f/2.8 USM, EF 24-105mm f/4L IS USM, EF 24-70mm f/2.8L II USM, EF 24-70mm f/2.8L USM, EF 24-70mm f/4L IS USM, EF 24mm f/1.4L II USM, EF 35mm f/1.4L USM, EF 50mm f/1.2L USM, EF 50mm f/1.4 USM, EF 50mm f/1.8 II, EF 70-200mm f/2.8L IS II USM, EF 70-200mm f/2.8L IS USM, EF 70-200mm f/4 L IS USM, EF 85mm f/1.2L II USM, EF 85mm f/1.8 USM, EF-S 10-22mm f/3.5-4.5 USM, EF-S 17-55mm f/2.8 IS USM, EF-S 17-85mm f/4-5.6 IS USM, EF-S 18-135mm f/3.5-5.6 IS STM, EF-S 18-55mm f/3.5-5.6 IS STM, EF-S 18-55mm f/3.5-5.6 IS, Canon EF 300mm f/4L IS USM.
- Carl Zeiss (A mount): Carl Zeiss Distagon T\* 24mm F2 ZA SSM (SAL24F20Z), Carl Zeiss Vario-Sonnar T\* 16-35mm F2.8 ZA SSM (SAL1635Z), Carl Zeiss Sonnar T\* 135 mm F1.8 ZA (SAL 135F18Z), Carl Zeiss Vario-Sonnar T\* 24-70 mm F2.8 ZA SSM (SAL 2470Z), Carl Zeiss Planar T\* 85 mm F1.4 ZA (SAL85F14Z).
- Leica: 50mm f/2 Summicron-M.
- Nikon: AF NIKKOR 20mm f/2.8D, AF NIKKOR 28-105mm f/3.5-4.5 D IF, AF NIKKOR 35-70mm f/2.8D, AF Nikkor 35mm f/2D, AF Nikkor 50mm f/1.8D, AF-S DX NIKKOR 16-85mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-105mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-200mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-300mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR, AF-S DX NIKKOR 35mm f/1.8G, AF-S DX Zoom-Nikkor 17-55mm f/2.8G IF-ED, AF-S NIKKOR 14-24mm f/2.8G ED, AF-S NIKKOR 16-35mm f/4G ED VR, AF-S NIKKOR 17-35mm f/2.8 ED, AF-S NIKKOR 24-120mm f/4G ED VR, AF-S NIKKOR 24-70mm f/2.8G ED, AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR, AF-S NIKKOR 24-85mm f/3.5-4.5G ED, AF-S NIKKOR 24mm f/1.4G ED, AF-S NIKKOR 28-300mm f/3.5-5.6G ED VR, AF-S NIKKOR 28-70mm f/2.8D IF-ED, AF-S NIKKOR 35mm f/1.4G, AF-S NIKKOR 50mm f/1.4G, AF-S NIKKOR 50mm f/1.8G, AF-S NIKKOR 70-200mm f/2.8G ED VR II, AF-S NIKKOR 70-200mm f/2.8G ED VR, AF-S NIKKOR 70-200mm f/4G ED VR, AF-S NIKKOR 85mm f/1.4G, AF-S NIKKOR 85mm f/1.8G, AF-S Nikkor 58 mm 1.4G, AF-S VR Micro-Nikkor 105mm f/2.8G IF-ED, AF-S VR Zoom-Nikkor 70-300mm f/4.5-5.6G IF-ED.
- Nikon 1: NIKKOR 11-27.5mm f/3.5-5.6, NIKKOR VR 10-30mm f/3.5-5.6.
- Nikon Waterproof 1: NIKKOR AW 10mm f/2.8, NIKKOR AW 11-27.5mm f/3.5-5.6.
- Olympus: M.ZUIKO DIGITAL 14-42mm 1:3.5-5.6 II R, M.ZUIKO DIGITAL 17mm 1:2.8 Pancake, M.ZUIKO DIGITAL 25mm 1:1.8, M.ZUIKO DIGITAL 45mm 1:1.8, M.ZUIKO DIGITAL ED 12-40mm 1:2.8, M.ZUIKO DIGITAL ED 12-50mm 1:3.5-6.3 EZ, M.ZUIKO DIGITAL ED 12mm 1:2.0, M.ZUIKO DIGITAL ED 17mm 1:1.8, M.ZUIKO DIGITAL ED 60mm 1:2.8 Macro, M.ZUIKO DIGITAL ED 75-300mm 1:4.8-6.7, M.ZUIKO DIGITAL ED 75mm 1:1.8, M.ZUIKO DIGITAL ED 9-18mm

1:4.0-5.6, ZUIKO DIGITAL ED 7-14mm 1:4.0, ZUIKO DIGITAL ED 9-18mm  
1:4.0-5.6, ZUIKO DIGITAL 11-22mm 1:2.8-3.5, ZUIKO DIGITAL ED 12-60mm  
1:2.8-4.0 SWD, ZUIKO DIGITAL ED 14-35mm 1:2.0 SWD, ZUIKO DIGITAL 14-  
54mm 1:2.8-3.5 II, ZUIKO DIGITAL ED 50mm 1:2.0 Macro, ZUIKO DIGITAL ED  
150mm 1:2.0, ZUIKO DIGITAL ED 300mm 1:2.8, ZUIKO DIGITAL ED 50-  
200mm 1:2.8-3.5 SWD (Olympus 4/3), ZUIKO DIGITAL ED 35-100mm 1:2.0  
(Olympus 4/3), ZUIKO DIGITAL ED 50-200mm 1:2.8-3.5 SWD (Olympus 4/3).

Panasonic: LEICA DG SUMMILUX 25mm / F1.4 ASPH, LUMIX G 14mm F2.5 ASPH., LUMIX G  
20mm F1.7 ASPH., LUMIX G VARIO 14-42 f3.5-5.6 II ASPH. MEGA O.I.S.,  
LUMIX G X VARIO 12-35mm F2.8 ASPH. POWER O.I.S.

Pentax: SMC-D FA 100mm F2.8 WR, SMC-DA 15mm F4 AI Limited, SMC-DA 18-55mm  
F3.5-5.6 AL WR, SMC-DA 21mm F3.2 AI Limited, SMC-DA 70mm F2.4 Limited,  
SMC-FA 31mm F1.8 Limited, SMC-FA 43mm F1.9 Limited.

Sigma (Canon EF): 10-20mm F3.5 EX DC HSM, 105mm F2.8 EX DG OS HSM Macro, 120-400mm  
F4.5-5.6 DG APO OS HSM, 150-500mm F5-6.3 APO DG OS HSM, 150mm F2.8  
EX DG OS HSM APO Macro, 17-50mm F2.8 EX DC OS HSM, 17-70mm F2.8-4  
DC Macro OS HSM | C, 18-200mm F3.5-6.3 II DC OS HSM, 18-250mm F3.5-6.3  
DC MACRO OS HSM, 18-35mm F1.8 DC HSM | A, 24-105mm F4 DG OS HSM |  
Art, 24-70mm F2.8 IF EX DG HSM, 24mm F1.8 EX DG ASP Macro, 28mm F1.8  
EX DG ASP Macro, 30mm F1.4 EX DC HSM, 50mm F1.4 EX DG HSM, 50mm  
F2.8 EX DG Macro, 85mm F1.4 EX DG HSM, APO 50-150mm F2.8 EX DC OS  
HSM, APO 70-200mm F2.8 EX DG OS HSM, 10-20mm F4-5.6 EX DC HSM, 50-  
500mm F4.5-6.3 APO DG OS HSM, 70-300mm F4-5.6 APO DG Macro, APO  
Macro 180mm F2.8 EX DG OS HSM.

Sigma (Nikon F): 120-300mm F2.8 EX DG OS APO HSM, 20mm F1.8 EX DG ASP RF, 35mm F1.4  
DG HSM | Art, 70-300mm F4-5.6 DG OS, 70mm F2.8 EX DG Macro, 12-24mm  
F4.5-5.6 DG HSM II.

Sigma (Sony E): 19mm f2.8 EX DN, 30mm F2.8 EX DN, 60mm F2.8 DN | A.

Sony A: 50mm F1.4 (SAL50F14), Sony 100mm F2.8 Macro (SAL100M28), Sony 85 mm  
F2.8 SAM (SAL85F28), Sony 35 mm F1.4G (SAL 35F14G), Sony 50 mm F2.8  
Macro (SAL50M28), Sony DT 11-18 mm F4,5-5,6 (SAL1118), Sony DT 16-  
50mm F2.8 SSM (SAL1650), Sony 70-300mm F4.5-5.6 G SSM (SAL 70300G).

Sony E: E 18-55mm f/3.5-5.6 OSS (SEL1855), E PZ 16-50 mm F3.5-5.6 OSS  
(SELP1650), FE 28-70mm F3.5-5.6 OSS (SEL2870), Sony E 50mm F1.8 OSS  
(SEL50F18).

Fixed lens cameras: Canon PowerShot G1 X, Canon PowerShot G12, Canon PowerShot G15,  
Canon PowerShot G16, Canon PowerShot S100/S110, Canon PowerShot S120,  
Fujifilm FinePix X100, Nikon COOLPIX A, Nikon COOLPIX P7700, Nikon COOLPIX  
P7800, Olympus XZ 6-24mm, Olympus XZ-10, Ricoh GR, Sony Cyber-shot DSC-  
RX100 II, Sony Cyber-shot DSC-RX100, Sony Cyber-shot DSC-RX10, Sony  
RX1/RX1R (Carl Zeiss Sonar T\* 2/35).

## ***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**

- 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.
- Processing/export to DNG is not supported for Fuji RAW files.
- LCC analysis not supported for Canon sRAW, mRAW and Fujifilm RAW files.
- Canon live view: The image is not rotated according to camera orientation, as Canon does not report the orientation during live view.

### **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.
- Unless otherwise specified for your Phase One camera system, 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.
- Focus controls for iXR and iXA cameras are only supported by IQ and Credo backs.

## ***Known issues***

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

### **All users**

- Browsing folders containing unsupported image files may affect application performance.
- Previews from earlier versions of Capture One may be updated. In some cases, this can affect the application performance the first time images are viewed in this version 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.

### **Windows users**

- 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 7) 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 and 8.

## ***Troubleshooting and support***

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

## ***Trademarks***

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