

Capture One 8

THE PROFESSIONAL CHOICE IN IMAGING SOFTWARE



RELEASE NOTES

English

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Capture One 8.3.1 Release Notes

Capture One Pro 8 is a professional RAW converter offering you ultimate image quality with accurate colors and incredible detail from more than 300 high-end cameras – straight out of the box. It offers state-of-the-art tethered capture, powerful digital asset management, extensive adjustment tools and a flexible workflow.

With an updated processing engine, market-leading performance and powerful new features, Capture One Pro 8 is the professional choice in imaging software. The highly responsive tools give you the power to create stunning images from your camera's RAW files, in a timesaving workflow that can be customized to fit your needs.

Capture One 8 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 8 is available in five versions:

- Pro, DB, Cultural Heritage (CH), Pro (for Sony) and Express (for Sony).

Highlights, Capture One 8.3.1

This is a service release providing bug fixes, lens and camera support

Camera support

- Preliminary file and tethering support: Sony ILCE-7RII (a7R II)
- File and tethering support: Sony DSC-RX100M4
- File and tethering support: Sony DSC-RX10M2
- File and tethering support: Nikon D7200
- File support: Nikon V3
- File support: Nikon J4
- File support: Samsung NX mini
- File support: Samsung NX3000
- File support: Samsung NX2000
- File support: Canon EOS 750D
- File support: Canon EOS 760D
- Preliminary file support: Leica Q (Typ 116)

Lens support

- Schneider Kreuznach 35mm f/3.5

Bug fixes

- (Win) Fixed: Crashes when using Fibonacci spiral
- (Win) Fixed: Crash when using Win 7 without SP1
- (Win) Cosmetic improvements
- (Win) Miscellaneous stability issues

- (Mac) Fixed: Tethering issue with Pro (for Sony) Edition
- (Mac) Fixed: Sync to XMP
- (Mac) Fixed: Issues with EIP applying LCC
- (Mac) Fixed: Background process visible on 10.9
- (Mac) Fixed: Auto-fill behavior for tokens
- (Mac) Fixed: Miscellaneous stability issues
- (Mac) Fixed: Cosmetic improvements

- (Win/Mac) Fixed: Naming issue with Olympus TG4 firmware update

Highlights, Capture One 8.3

This is a feature release providing new features, bug fixes, performance enhancements, stability improvements, camera and lens support.

New features and improvements

- New high performance tethering engine (Mac)
- Modernized Capture tool
- Camera settings tool*
- IQ style grid modes

**Functionality is defined by back firmware, or the DSLR camera attached*

Camera support

- Tethering and file support: Phase One IQ3 50MP
- Tethering and file support: Phase One IQ3 60MP
- Tethering and file support: Phase One IQ3 80MP
- Preliminary file support for Canon 5DS
- Preliminary file support for Canon 5DS R
- File support for Olympus TG-4
- DNG 1.4 support

Lens support

- Schneider Kreuznach Macro LS 120mm f/4.0
- Nikon AF-S NIKKOR 28mm f/1.8G
- Nikon AF-S Micro-Nikkor 60mm f/2.8G ED

Bug fixes

- (Mac) Fixed: Crash when changing workspace
- (Mac) Fixed: Output naming token for image date returned error
- (Mac) Fixed: Auto crop issue drawing proxies on restart in CH edition
- (Mac) Fixed: Pink highlights in Canon 70D files
- (Mac) Fixed: Focus mask not shown in some zoom levels
- (Mac) Fixed: Issue with outputting pure white with OpenCL enabled
- (Mac) Stability fixes and improvements

- (Win) Fixed: Selection issues with Ctrl+Arrow, Ctrl+A shortcuts
- (Win) Fixed: An issue with the clipboard and purple fringing
- (Win) Fixed: Persist the “original crop” mode after re-launch
- (Win) Fixed: Localization issues with Chinese and Japanese characters
- (Win) Fixed: A location issue when outputting using digit counter
- (Win) Over 30 other small bug fixes and improvements
- (Win) Stability fixes and improvements

System Requirements

Capture One may run on other and older equipment than what is 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
- Color calibrated monitor with 1280x800, 24-bit resolution at 96dpi screen ruling
- Windows 7® SP1 64-bit, Windows 8® 64-bit
- Microsoft® .NET Framework version 4.5.2 (will be installed if not present)
- A PDF reader is needed to read the Release Notes
- An Internet connection is needed 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 1280x800, 24-bit resolution at 96dpi
- Mac OS X 10.9.5 or 10.10
- An Internet connection is needed when activating Capture One.

Recommended system requirements

Working with high-resolution images and doing calculation-heavy adjustments may put too much pressure on the 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) / AMD R9 290 (Win) or newer, with minimum 2GB RAM. We recommend using the Mac Pro (late 2013) containing the dual AMD D700 GPU.

Installation

Capture One is compatible with previous 7.x, 6.x, 5.x and 4.x versions.

If you upgrade from Capture One 7, 6, 5 or 4 the settings will be migrated. If you upgrade from Capture One 3 the original settings cannot be reused. It is not possible to upgrade sessions from Capture One 4 or 5. If you want to keep your existing versions of Capture One you can install this newer version of Capture One 8 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 USB, CD or download the application from the Phase One website: <http://www.phaseone.com/downloads.aspx>
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 USB, CD or download the application from the Phase One website: <http://www.phaseone.com/downloads.aspx>
2. Open the Capture One disk image.
3. Drag the Capture One icon to the Applications folder.
4. Start the Capture One application from your Applications folder.
5. Read and accept the license agreement when presented.

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.

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".
- DNG support not optimized for some cameras.

Other camera 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.
- The following functionality is not supported for Fujifilm RAW files: processing/exporting to DNG, auto mask, healing with Repair Layers, focus mask and LCC.
- The following functionality is not supported for sRAW/mRAW files: LCC analysis and healing with Repair Layers.
- Canon Live View: the image is not rotated according to camera orientation, as Canon does not report the orientation during Live View.

Digital Back users

- Battery charging on IQ systems can cause issues with stability over Thunderbolt adapters or in low power devices such as laptops. Switch charging off if you suffer repeated disconnections.
- 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 of 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 8 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.
- Editing images in external applications other than Adobe Photoshop might result in unexpected behavior.

Mac users

- It is only possible to show the Capture One toolbar in “Icon Only” mode.
- Live View over USB can stall without the use of a repeater.

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 8) 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'.
- Importing a catalog can result in the last picture not getting imported.

Supported Cameras

File Support: Capture One DB

Capture One DB offers file support for the following cameras or digital backs:

| | | | | |
|-----------|------------------|------------------|-------------|------------|
| Phase One | IQ3 80MP | IQ160 Achromatic | P25+ | P20 |
| | IQ3 60MP | IQ150 | P21+ | H 25 |
| | IQ3 50MP | IQ140 | P20+ | H 20 |
| | IQ280 | iXU150 | Achromatic+ | H 101 |
| | IQ260 | P65+ | P45 | H 10 |
| | IQ260 Achromatic | P40+ | P30 | H 5 |
| | IQ250 | P45+ | P25 | LightPhase |
| | IQ180 | P30+ | P21 | |
| | IQ160 | | | |
| | Mamiya | DM56 | DM22 | |
| DM40 | | M31 | | |
| DM33 | | M22 | | |
| DM28 | | M18 | | |
| Leaf | Credo 80 | Aptus-II 12R | Aptus-II 8 | AFi-II 12 |
| | Credo 60 | Aptus-II 12 | Aptus-II 7 | AFi-II 10 |
| | Credo 50 | Aptus-II 10R | Aptus-II 6 | AFi-II 7 |
| | Credo 40 | Aptus-II 10 | Aptus-II 5 | AFi-II 6 |

File Support: Capture One Pro

In addition to the above cameras, Capture One Pro offers file support for the following cameras or digital backs:

| | | | | |
|------|-----------|-------|-----------|------------|
| Leaf | Aptus 75S | AFi 7 | Aptus 75 | Aptus 22 |
| | Aptus 65S | AFi 6 | Aptus 65 | Aptus 17 |
| | Aptus 54S | AFi 5 | | |
| Sony | a7R II | | a200 | NEX-7 |
| | a7R | a850 | a100 | NEX-6 |
| | a7S | a700 | a6000 | NEX-5T |
| | a7 II | a580 | a5100 | NEX-5R |
| | a7 | a560 | a5000 | NEX-5N |
| | a99 | a550 | a3000 | NEX-5 |
| | a77 II | a500 | RX1R | NEX-3N |
| | a77 | a450 | RX1 | NEX-F3 |
| | a65 | a390 | R1 | NEX-C3 |
| | a58 | a380 | RX10 | NEX-3 |
| | a57 | a350 | RX10m2 | NEX-VG20 |
| | a55 | a330 | RX100m4 | NEX-VG30 |
| | a37 | a300 | RX100 III | NEX-VG900 |
| | a35 | a290 | RX100 II | NEX-VG900E |
| | a33 | a230 | RX100 | QX-1 |
| | a900 | | | |

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|-------------|----------------|----------------|----------------------|-------------------|
| Canon | 1D C | 7D | | |
| | 1D X | 70D | 350D/Rebel XT | G15 (preliminary) |
| | 1D Mark IV | 60D | 300D/Rebel | G12 |
| | 1Ds Mark III | 50D | 100D/Rebel SL1 | G11 |
| | 1D Mark III | 40D | 1200D/Rebel T5 | G10 |
| | 1D Mark II N | 30D | 1100D/Rebel T3 | G9 |
| | 1Ds Mark II | 20D | 1000D/Rebel XS | G6 |
| | 1D Mark II | 10D | 100D/Rebel SL1 | G5 |
| | 1Ds | 760D | D60 | G3 |
| | 1D | 750D | D30 | G2 |
| | 5DS (prelim) | 700D/Rebel T5i | M | S120 |
| | 5DS R (prelim) | 650D/Rebel T4i | Pro 1 | S110 |
| | 5D Mark III | 600D/Rebel T3i | G7X | S100 |
| | 5D Mark II | 550D/Rebel T2i | G1 X mk II | S95 |
| | 5D | 500D/Rebel T1i | G1 X | S90 |
| | 6D | 450D/Rebel XSi | G16 | |
| | 7D Mark II | 400D/Rebel XTi | | |
| Nikon | D4s | D750 | D40X | P330 |
| | D4 | D700 | D40 | P7800 |
| | DF | D610 | D7200 | P7700 |
| | D3s | D600 | D7100 | P7100 |
| | D3X | D600 | D7000 | P7000 |
| | D3 | D300s | D5500 | P6000 |
| | D2Xs | D300 | D5300 | 1 AW1 |
| | D2X | D200 | D5200 | J4 |
| | D2Hs | D100 | D5100 | J3 |
| | D2H | D90 | D5000 | J2 |
| | D1X | D80 | D3300 | J1 |
| | D1H | D70s | D3200 | V2 |
| | D810 | D70 | D3100 | V1 |
| | D800 | D60 | D3000 | S1 |
| | D800E | D50 | P340 | Coolpix A |
| | Leica | M (Typ 240) | X1 | C (Typ 112) |
| M (Typ 220) | | X Vario | V-Lux 4 | D-Lux 4 |
| M-Monochrom | | M9 | D-Lux (Typ 109) | Digilux 3 |
| X (Typ 113) | | M8 | D-Lux 6 | Digital Module R |
| X2 | | T (Typ 701) | Q (Typ 116) (prelim) | |
| Fujifilm | X-T1 | X-Pro1 | X100T | X10 |
| | XQ1 | X-S1 | X100S | S5 Pro |
| | X-A1 | X-E2 | X100 | S3 Pro |
| | X-A2 | X-E1 | X30 | S2 Pro |
| | X-M1 | XF1 | X20 | |
| Olympus | E-M1 | E-PL2 | E-520 | E-1 |
| | E-M5 II | E-PL1 | E-510 | E-10 |
| | E-M5 | E-PM2 | E-450 | E-20 |
| | E-M10 | E-PM1 | E-P3 | E-30 |
| | Stylus 1 | XZ-2 iHS | E-P2 | E-330 |
| | E-5 | XZ-1 | E-P1 | E-300 |
| | E-P5 | XZ-10 | E-420 | E-400 |
| | E-PL7 | E-620 | E-410 | C-7070 |
| | E-PL5 | E-3 | E-500 | C-8080 |
| | E-PL3 | | | TG-4 |

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|-----------|----------------|---------------|-------------|--------------------|
| Panasonic | GX7 | GM5 | G3 | FZ1000 |
| | GX1 | GM1 | G2 | FZ72 |
| | GF7 | GH4 | G1 | FZ45 |
| | GF6 | GH3 | G10 | FZ200 |
| | GF5 | GH2 | LX100 | FZ150 |
| | GF3 | GH1 | LX7 | FZ100 |
| | GF2 | G6 | LX5 | LF1 |
| | GF1 | G5 | LX3 | |
| Pentax | K-01 | K-30 | K110D | *istD |
| | MX-1 | K-r | K100D Super | *istDS2 |
| | K-3 (PEF only) | K20D | K100D | *istDS |
| | K-5 IIs | K10D | K2000/K-m | Q10 |
| | K-5 II | K7 | *istDL2 | Q7 (FW 1.0.0 Only) |
| | K-5 | KX | *istDL | Q (PEF Only) |
| Ricoh | K50 | K200D | | |
| | GR | GR DIGITAL II | GX200 | GXR A16 |
| | GR DIGITAL IV | GR DIGITAL | GRX S10 | GXR A12 |
| | GR DIGITAL III | GX100 | GXR P10 | |
| Samsung | | | | |
| | NX1 | NX11 | NX3000 | NX2000 |
| | NX30 | NX10 | NX300 | NX100 |
| | NX20 | NX5 | NX210 | NX1000 |
| | NXMini | NX200 | EX2F | |

Mamiya: MZD, ZD Back.

Epson: R-D1s, R-D1.

Konica Minolta: Alpha 5 D, Alpha 7 D, A1, A2.

Other files: CinemaDNG, Linear DNG, DNG 1.4

File Support: Capture One Pro and Express (for Sony)

Capture One Pro (for Sony) and Capture One Express (for Sony) have file support for the Sony cameras above.

Tethered Support: Capture One DB

Capture One DB has tethered support for these cameras or digital backs:

| | | | | | |
|-----------|------------------|------------------|-------------|------------|--|
| Phase One | IQ3 80MP | IQ160 Achromatic | P25+ | P20 | |
| | IQ3 60MP | IQ150 | P21+ | H 25 | |
| | IQ3 50MP | IQ140 | P20+ | H 20 | |
| | IQ280 | iXU150 | Achromatic+ | H 101 | |
| | IQ260 | P65+ | P45 | H 10 | |
| | IQ260 Achromatic | P40+ | P30 | H 5 | |
| | IQ250 | P45+ | P25 | LightPhase | |
| | IQ180 | P30+ | P21 | | |
| | IQ160 | | | | |
| | Mamiya | DM56 | DM22 | | |
| | | DM40 | M31 | | |
| DM33 | | M22 | | | |
| DM28 | | M18 | | | |

| | | | | |
|------|----------|--------------|------------|-----------|
| Leaf | Credo 80 | Aptus-II 12R | Aptus-II 8 | AFi-II 12 |
| | Credo 60 | Aptus-II 12 | Aptus-II 7 | AFi-II 10 |
| | Credo 50 | Aptus-II 10R | Aptus-II 6 | AFi-II 7 |
| | Credo 40 | Aptus-II 10 | Aptus-II 5 | AFi-II 6 |

Tether Support: Capture One Pro

In addition to the above cameras, Capture One Pro offers tethered support for the following cameras:

| | | | | |
|-------|--------------|------------|-------------------|----------------|
| Leaf | Aptus 75S | AFi 7 | Aptus 75 | Aptus 22 |
| | Aptus 65S | AFi 6 | Aptus 65 | Aptus 17 |
| | Aptus 54S | AFi 5 | | |
| Sony | a7R II | a7 II | a77 II | a6000 |
| | a7R | a7 | RX100m4 | a5100 |
| | a7S | A99 | RX10m2 | a5000 |
| Canon | 1D C | 6D | | |
| | 1D X | 7D Mark II | 700D/Rebel T5i | 450D/Rebel XSi |
| | 1D Mark IV | 7D | 650D/Rebel T4i | 1200D/Rebel T5 |
| | 1D Mark III | 70D | 600D/Rebel T3i | 1100D/Rebel T3 |
| | 1Ds Mark III | 60D | 550D/Rebel T2i | 1000D/Rebel XS |
| | 5D Mark III | 50D | 500D/Rebel T1i | 100D/Rebel SL1 |
| | 5D Mark II | 40D | | |
| Nikon | D4s | D800E | D90 | D7000 |
| | D4 | D750 | D80 ⁱⁱ | D5500 |
| | D3s | D700 | D60 | D5300 |
| | D3X | D610 | D40X | D5200 |
| | D3 | D600 | D40 | D5100 |
| | D810 | D300s | D7200 | D5000 |
| | D800 | D300 | D7100 | DF |

Tether Support: Capture One Pro (for Sony)

Capture One Pro (for Sony) offers tethered support for these cameras:

| | | | | |
|------|--------|-------|---------|-------|
| Sony | a7R II | a7 II | a77 II | a6000 |
| | a7R | a7 | RX100m4 | a5100 |
| | a7S | a99 | RX10m2 | a5000 |

Supported Lenses

These are the lenses with automatic lens corrections in Capture One 8:

| | | |
|------------------------------|---|---|
| Phase One | 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 AF 150mm f/2.8 IF | Digital AF 150mm (2x Tele) f/5.6 Digital AF 120mm f/4 Macro Digital Zoom AF 75-150mm f/4.5 MF 120mm f/4 Macro 45mm TS f/3.5 |
| Schneider-Kreuznach | LS 28mm f/4.5 Aspherical LS 35mm f/3.5 LS 40-80mm f/4.0-5.6 LS 55mm f/2.8 LS 75-150mm f/4-5.6 LS 80mm f/2.8 LS 110mm f/2.8 LS Macro 120mm f/4.0 LS 150mm f/3.5 LS 150mm (2x Tele) f/7.0 LS 240mm f/4.5 LS 240mm (2x Tele) f/9.0 | |
| Mamiya | Sekor AF 120mm f/4.0 Macro Sekor MF 120mm f/4.0 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 40mm 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 |
| Alpa | Alpagon 5.6/23 mm Alpar 4.0/35 mm Alpagon 5.6/70mm | |
| Rodenstock | HR Digaron-S 5.6/23 mm HR Digaron-S 4.0/35 mm HR Digaron-W 4.0/40 mm HR Digaron-W 4.0/50 mm | HR Digaron-W 5.6/70 mm HR Digaron – W 4.0/40mm/Aerial HR Digaron – W 4.0/50mm/Aerial HR Digaron – W 5.6/70mm/Aerial |
| Carl Zeiss (Hasselblad V) | Distagon T* 2.8/80 CF Distagon T* 3.5/60 CF 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 |
| Canon | EF 16-35mm f/2.8L II USM EF 17-40mm f/4L USM EF 20mm f/2.8 USM EF 24-70mm f/2.8L USM EF 24-70mm f/2.8L II USM EF 24-70mm f/4L IS USM EF 24-105mm f/4L IS USM EF 24mm /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 100mm f/2.8 Macro IS USM EF 100-400mm f/4.5-5.6L IS USM EF 135mm f/2L USM EF 300mm f/4L IS 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 |
| 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 NIKKOR 20mm f/1.8G ED AF-S DX NIKKOR 16-85mm f/3.5-5.6G ED VR AF-S DX NIKKOR 18-70mm f/3.5-4.5G IF-ED 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 NIKKOR 28mm f2.8ED AF-S VR Micro-Nikkor 105mm f/2.8G IF-ED AF-S Micro-Nikkor 60mm f/2.8GED AF-S VR Zoom 70-300mm f/4.5-5.6G IF- ED 1 NIKKOR 11-27.5mm f/3.5-5.6 1 NIKKOR VR 10-30mm f/3.5-5.6 1 NIKKOR AW 11-27.5mm f/3.5-5.6 1 NIKKOR AW 10mm f/2.8 |
| Pentax | SMC-D FA 100mm F2.8 WR SMC-DA 15mm F4 Al Limited SMC-DA 18-55mm F3.5-5.6 AL WR SMC-DA 21mm F3.2 Al Limited | SMC-DA 70mm F2.4 Limited SMC-FA 31mm F1.8 Limited SMC-FA 43mm F1.9 Limited |

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| 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. O.I.S. LUMIX G X VARIO 12-35mm F2.8 ASPH. POWER O.I.S |
| 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 40-150mm f/2.8 Pro 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 ZUIKO DIGITAL ED 90-250mm 1:2.8 ZUIKO DIGITAL ED 35-100mm 1:2.0 |
| Sigma (Canon EF) | 8-16mm F4.5-5.6 DC HSM 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 | |

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| Sony | <p>A 50mm F1.4 (SAL50F14) 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) A 50 mm F2.8 Macro (SAL50M28) A Carl Zeiss Distagon T* 24mm F2 ZA SSM (SAL24F20Z) A Carl Zeiss Vario-Sonnar T* 24-70 mm F2.8 ZA SSM (SAL 2470Z) A Carl Zeiss Planar T* 85 mm F1.4 ZA (SAL85F14Z) A 70-300mm F4.5-5.6 G SSM (SAL 70300G) E 50mm F1.8 OSS (SEL50F18) A 100mm F2.8 Macro (SAL100M28) A 85 mm F2.8 SAM (SAL85F28) A 35 mm F1.4G (SAL 35F14G) A Carl Zeiss Vario-Sonnar T* 16-35mm F2.8 ZA SSM (SAL1635Z) A Carl Zeiss Sonnar T* 135 mm F1.8 ZA (SAL 135F18Z) A DT 11-18 mm F4.5-5.6 (SAL1118) A DT 16-50mm F2.8 SSM (SAL1650)</p> | |
| Leica | 50mm f/2 Summicron-M | |
| Zeiss | <p>Otus 55mm f1.4 Otus 85mm f1.4 Distagon T* 2/35mm ZF.2 Distagon T* 1.4/35mm ZF.2 Zeiss Distagon T* 3.5/18mm ZF.2 Zeiss Distagon T* 2.8/21mm ZF.2 Zeiss Distagon T* 2.8/15mm ZF.2 Zeiss Distagon T* 2/28mm ZF.2 Zeiss Distagon T* 3.5/18mm ZF.2</p> | <p>Zeiss Distagon T* 3.5/18mm ZF.2 Zeiss Distagon T* 2.8/25mm ZF.2 Zeiss Distagon T* 2/25mm ZF.2 Zeiss Distagon T* 2.8/25mm ZF.2 Planar T* 1,4/50mm ZF.2 Makro Planar T* 2/50mm ZF.2 Planar T* 1.4/85mm ZF.2 Makro Planar 2/100mm ZF.2 Apo Sonnar T* 2/135mm ZF.2</p> |
| Fixed Lens cameras | <p>Canon PowerShot G1 X Canon PowerShot G12 Canon PowerShot G15 Canon PowerShot G16 Canon PowerShot S100/S110 Canon PowerShot S120 Fujifilm FinePix X100 Leica D-Lux (Typ 109) Leica X (Typ 113) Nikon COOLPIX A Nikon COOLPIX P340</p> | <p>Nikon COOLPIX P7700 Nikon COOLPIX P7800 Olympus XZ 6-24mm Olympus XZ-10 Panasonic LX100 Ricoh GR Sony Cyber-shot DSC- RX100 II Sony Cyber-shot DSC-RX10 Sony Cyber-shot DSC-RX100 Sony RX1/RX1R</p> |