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Capture One Pro 10
The Professional Choice In Imaging Software

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Capture One 10.0 Release Notes

Capture One Pro 10 is a professional RAW converter offering you ultimate image quality with beautiful colors and incredible detail from more than 400 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 10 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 time-saving workflow that can be customized to fit your needs.

Capture One 10 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.

All run modes are included in the one installer and the run mode is determined by the license key used. The trial is also included in the installer and is registered as the full product upon activation. Capture One 10 is available in four modes (these are notated in the camera grid):

Pro
DB (digital back only)
Pro (for Sony)
Express (for Sony)

The release notes include notes for all releases of Capture One 10. Previous release notes can be found in the Phase One download archive.

Best regards,
Team Phase One

10.0.2 Camera Support

- Fujifilm X100F Support
- Olympus E-PL6 Support
- Fujifilm X-A3 Support
- Panasonic LX9/LX10/LX15
- Panasonic G8/G80/G81/G85
- Canon M5 Support
- Nikon 1 J5 Support

10.0.2 Lens Support

- Sony DT 18-250mm F3.5-6.3
- Sony 70-400mm F4-5.6 G SSM
- Panasonic LUMIX G Leica DG Summilux 15mm f/1.7 ASPH
- Panasonic LUMIX G LEICA DG VARIO-ELMAR 100-400mm F4.0-6.3 ASPH
- Panasonic LUMIX G VARIO 7-14mm F4 ASPH
- Tamron SP 24-70mm F/2.8 Di VC USD (EF Canon)

10.0.2 Bug fixes (Mac)

- Changing Lens Correction Shift makes Levels, Histogram and Curve go blank
- OpenCL Errors with Iris Graphics 540 - 2016 Macbook Pro
- Using Find and Replace Batch Rename renders existing Local Adjustments inoperable
- Fixed - Error Code 19 during batch processing (“could not load raw data”)

10.0.2 Bug fixes (Win)

- Changing Lens Correction Shift makes Levels, Histogram and Curve go blank
- Skin Tone white balance picker not working

10.0.1 Lens Support

- Schneider Kreuznach RS 110mm (Aerial)
- Schneider Kreuznach RS 150mm (Aerial)
- Rodenstock RS 32mm (Aerial)
- Sony FE 50mm F2.8 Macro Lens profile
- Sony 28-75mm F2.8 SAM Lens profile
- Sony 135mm F2.8 [T4.5] STF Lens profile
- Sony Ultra Wide Converter Lens profile
- Sony Fisheye Converter Lens profile
- Sony 300mm F2.8 G SSM II Lens profile
- Sony 70-300mm F4.5-5.6 G SSM II Lens profile
- Sony FE 24-240mm F3.5-6.3 OSS Lens profile

10.0.1 Bug fixes (Mac)

- Lagging while quickly browsing through images by holding the arrow key down
- The Mac crash reporter does not find a crash report when Capture One is force quit
- Crash if no collection selected and we select next collection
- The Mac crash reporter often fails to find the correct crash report for Capture One
- Decreasing Target Highlight Value via keyboard shortcut does not work
- Wrong naming for custom ICC profiles that are not in library in catalogs
- Crash when entering “/” in the Format field in the Next Capture Naming tool
- Cannot apply preset/style with custom ICC if the ICC is not in the library
- The “Applied Styles and Presets” section is missing in the “Styles and Presets” tool
- Changing library in full screen mode causes CO to crash
- Crash when closing the Import Window while it is populating with images
- Crash when moving smart albums in a catalog
- Magenta color cast before style applying
- Loupe will not work on thumbnails
- Iris GPU on new MBP causing artifact in fit-view
- Crash when exporting variants with Open CL enabled on MBP2015
- Crash when selecting an image in the browser on Mac Pro with non-OEM Nvidia card
- CMYK readouts give wildly different values in Capture One 10

10.0.1 Bug fixes (Win)

- Changing brush size with Tangent Knobs does not work
- Large TIFF crashes
- Crash when .NET installation is older than 4.6.2
- The readouts won't show when the window is small
- Cannot Click Between Thumbnails when Loupe Is Selected
- Express and DB version can not check for software updates
- Deactivating DB version thinks it is Express For Sony
- Localization Issue: German. There is no Capture One 10 Engine, There are two Capture One 9 Engines.
- “Show Mask Always” doesn't show adjustments when changing exposure
- Delete file from session does not refocus browser window on next selection
- Brush tool does not display right physical size in brush settings
- Multiple Card readers not displayed in CO import window
- Lens EF-S 18-55mm f/3.5-5.6 IS is not recognized automatically

10.0 Feature Documentation

Capture One 10 is a major release with several new features and large scale performance and stability improvements to the Capture One experience.

Performance focused re-write for faster viewing experience

Operations all over the app for have been re-written for snappier performance when viewing and working with images: Caching of images, reduction in drawing latency and frame rates for adjustments are all improved.

New! 3-phase sharpening tools

Capture One breaks up the old work flow of sharpening images in Capture One into three stages. Input, (Deconvolution sharpening), Creative, (from user input depending on content) and Output (based on the desired final medium/size/print media).

Input sharpening: “Diffraction correction” is a check box in the lens tool - it will automatically apply correction if the image suffers from blurring due to the side effects of diffraction limited optics. Note: processing time increases when this is adjustment is enabled.

Creative sharpening: This is the input from the user made with either the sharpening tool, or the sharpening tools as part of local adjustments. Radius, Threshold and the new Halo Suppression sliders can all now be used in local adjustments, in combination with (and independent of) the Background.

Output sharpening: In the adjustments tab of each recipe the user can define the output sharpening. To optimize, enable Proofing (see below) and adjust to required amount. For print sharpening, the user can also specify the distance the final output image should be viewed from.

New! Output Proofing

Output proofing enables the user to imitate the final size, resolution, color and sharpening in the viewer as defined in the recipe. This is especially useful for outputting small files for web and optimizing compression quality as Jpeg compression artifacts can also be simulated. Press the glasses icon on the tool bar to see the simulated output based on the active recipe.

New! Halo Suppression

The sharpening tool has an additional parameter which reduces the visible side effect of “halos” when sharpening amount is used aggressively.

New! Video panel Hardware support for Tangent systems

Using a special new control layer decoupled from the UI, Capture One’s interface can be controlled by Tangent wave panel systems for the ultimate analogue control over your digital darkroom. Inspired by video grading applications, the implementation takes advantage of the Tangent Mapper SDK, exposing over 460 properties. These can be mapped in almost infinite configuration. See <http://www.tangentwave.co.uk> for hardware vendors.

Requires the “Tangent Hub” application to be installed in order to use supported hardware. See <http://www.tangentwave.co.uk/capture-one/> for supporting software.

New! Default workspace

The default space has been simplified for a cleaner first time experience. Changes from 9 default are listed below:

- The lens tool now is immediately after capture to reflect lens corrections are done (in some cases automatically) after the image is created. It is also where the first of the 3-phases of sharpening is applied (Diffraction Correction (if required)).
- Composition tab is removed and crop tools moved to the lens tab (it is still available as an option and can be added if required)
- The new focus tool is inserted in the Camera tab and Live view window
- Tool bar has been cleaned up to remove some clutter and re-ordered slightly
- New proof mode is inserted on the tool-bar (Pro/Pro (for Sony) Only)
- Browser is set to the right
- Uncollapsing of some tools to aid discovery

The “classic” 9 workspace can be found in the Window>workspace menu if needed.

10.0 Feature Documentation

New! Camera Focus tool

The camera tool now includes a focus tool module for tethered cameras. Some functionality is only available for specific hardware. See the table below for supported functions.

Function	IQ/XF ³	Canon ¹	Nikon ¹	Sony
Auto Focus button	Yes	Yes	Yes	Yes
Auto Focus indicator	Yes	No	Yes ²	Yes
Manual Focus Adjust Buttons	Yes	Yes	Yes	No

¹Canon and Nikon only support focus controls when Live View is active.

²Nikon continues to show the last AF status when the AF button is not pressed.

³ Requires Feature Update 3.

New! Filter for orientation of images

A new filter type for orientation is added to allow the user to filter by orientation (portrait, landscape and square). This filter respects the crop if applied.

New! More Apple Script properties (Mac Only)

Apple scripting properties have been expanded to allow more control over custom application extensions. Exif properties (R/O) and IPTC (R/W) fields can now be targeted using scripting for manipulation of variant meta data. Pack/unpack EIP, sync meta data commands and variant selection complete the Scripting additions.

Optimized: Jpeg Output for Size/Quality

The algorithms for Jpeg output are optimized to provide best quality at smallest possible size and more accurate estimate of the final size on disk in the summary.

Optimized: LCC for 100MP - Stripe reduction

Microstripes created by extreme shifting with technical cameras on IQ1 100 and IQ3 100 digital backs can now be reduced by checking the more process intensive “technical wide angle” option when creating LCC files.

Optimized: LCC generation

LCC creation has been optimized - giving a 20% reduction in time to create from the target.

Improved: Move folders in Catalogs

When using Catalogs, folders in the Catalog “Folders” tool can now be moved to other folders for much easier asset management.

Improved: Compressed RAW Support

Capture One’s full feature set for Lens Correction, Chromatic Aberration Analysis and LCC generation is now available for Canon mRAW / sRAW and Nikon RAW M (and RAW S for D5 and D500).

Improved: Auto masking

Auto masking is extended to any editable file type (including Xtrans).

Improved: activation management

After activation, the computer’s ID will now appear in the license window. This can be used for identifying the machine against the Computer ID in the License Manager in your phaseone.com profile - useful if you need to remove an activation from a specific machine in a work group.

Improved: Hardware Acceleration

OpenCL is now enabled by default

10.0 Camera Support

- Sony a99 M2 support
- Sony RX100M5 support
- Sony a6500 support
- Sony a3500 support
- Olympus E-M1 mkII Support

10.0 Lens Support

- Mamiya Sekor Fisheye ULD C 24mm 1:4
- Sony 70-200mm F2.8 G (SAL70200G)
- Sony FE 70-200mm F4 G OSS
- Sony E 18-200mm F3.5-6.3 OSS
- Sony E PZ 18-105mm F4 G OSS (SELP18105G)
- Sony E 55-210mm F4.5-6.3 OSS (SEL55210)
- Sony E 10-18mm F4 OSS (SEL1018)
- Sony E 20mm F2.8 (SEL20F28)
- Zeiss Vario-Tessar T* E 16-70 mm F4 ZA OSS (SEL1670Z)
- Zeiss Sonnar T* FE 55 mm F1.8 ZA (SEL55F18Z)
- Sony DT 50mm F1.8 SAM (SAL50F18)
- Sony DT 35mm F1.8 SAM (SAL35F18)
- Sony DT 30mm F2.8 Macro SAM (SAL30M28)
- Sony 16mm F2.8 Fisheye (SAL16F28)
- Olympus M.ZUIKO DIGITAL ED 25mm f/1.2 PRO
- Olympus M.ZUIKO DIGITAL ED 12-100mm f/4 IS PRO
- Olympus M.ZUIKO DIGITAL ED 40-150mm 1:4.0-5.6 R

System Requirements

We recommend that your computer has at least the minimum specifications outlined below to run Capture One 10.



Microsoft® Windows® minimum requirements

- CPU with 2 cores
- 8 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, Windows 10® 64-bit (Version 1607)
- Microsoft® .NET Framework version 4.6.2 (will be installed if not present)



Apple® Macintosh® minimum requirements

- CPU with 2 cores
- 8 GB of RAM
- 10 GB of free hard disk space
- Calibrated color monitor with 1280x800, 24-bit resolution at 96dpi
- 10.11.6 or macOS 10.12.x

Recommended system requirements

If working with high-resolution images and doing calculation-heavy adjustments we recommend the following:

- CPU with 4+ cores
- 16+ GB of RAM
- Solid State Disk (SSD)
- A fast Graphics card from NVIDIA or AMD with 2GB+ RAM (4+ GB for 4k or multiple monitors)



Installation

Capture One 10 is compatible with previous 9.x, 8.x, 7.x and 6.x versions. For existing users it is recommended to migrate images from 5.x and 4.x to at least version 8.x first, before opening in 10.x

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:

- Download the application from the Phase One website: <http://www.phaseone.com/downloads.aspx>
- Run the executable software install file (.exe)
- Read and accept the license agreement when presented.
- Follow the on-screen instructions to complete the installation.
- Read and accept the license agreement when presented.

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:

- Download the application from the Phase One website: <http://www.phaseone.com/downloads.aspx>
- Open the Capture One disk image (.dmg)
- Drag the Capture One icon to the Applications folder.
- Start the Capture One application from your Applications folder.
- 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

- The following functionality is not supported for Fujifilm X-trans RAW files: processing/exporting to DNG, focus mask and LCC.
- Some cameras provide mutlishop functionality by way of (e.g.) multiple exposure or pixel shifting. In most cases the functionality will not be available in Capture One, however a single RAW file from the sum file may be viewable and editable in Capture One (as if it was a shot in single Capture mode).

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 in the digital back menu if you suffer repeated disconnections.
- For tethered shooting with Phase One or Credo 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 Aptus 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 and repeater.
- 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 application 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.
- Orientation override does not work in live view for Leaf Aptus/AFi backs. Users wishing to lock orientation during live view should use the camera orientation setting.

Known issues

Below you will find a list of known issues for Capture One 9 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.
- If using a non 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.
- Operation under virtualization software (e.g. Parallels, Hackintosh etc) may cause instability. We do not recommend you use these OS configurations.

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 9) 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.
- Operation under RAMDisk by Dataram is known to cause issues with disk labeling. Capture One is not supported with this configuration.
- Plays.TV/Raptr installed along with some AMD devices can cause instability

File Support Notes and Limitations

The appendices below contain the data sheets for supported cameras in Capture One.

The information here is subject to change. Some errors may be omitted. For issues and clarification on any camera listed here, contact Phase One Support via support.phaseone.com

Notes:

Capture One DNG colors

Capture One has the ability to treat and display camera files that were converted to DNG, as if it was the original RAW. The file in question has to come from a camera we officially support with native RAW support and the RAW data also needs to have been embedded in the DNG at the point of conversion. Note we do not support Adobe Lens or Color Profiles in this workflow.

Other file support

Tiff: Capture One 9.1 onward can support Tiff files with alpha channel or layers saved in the file (from other apps like Adobe Photoshop) for viewing purposes only. Reprocessing the image will ignore the alpha channel or layers.

File support limitations:

Smallest supported file: Width and Height must both be larger than 16 px

Largest supported file: Width x Height must be smaller than 40000 x 20000 pixels or sum thereof.

RAW support:

RAW files support is limited to the full camera RAW format unless specified in the table below. Special or auxiliary modes only supported where noted: Pro = (Pro), DB (digital back only) = (DB), Pro (for Sony) = (ProS), Express (for Sony) = (ES)

PHASEONE

Model	Tethered Support	Live view	File Support	Required run modes	Notes
IQ3 100MP	Yes	Yes	IIQ 16bit/ IIQ L/ IIQ S	DB or Pro (9.0.2 or later required)	None
IQ3 80MP	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ3 60MP	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ3 50MP	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ280	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ260	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ260 Achromatic	Yes	No	IIQ L/IIQ S	DB or Pro	No live view
IQ250	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ1 100MP	Yes	Yes	IIQ 16bit/ IIQ L/ IIQ S	DB or Pro (9.3 or later required)	None
IQ180	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ160	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ160 Achromatic	Yes	No	IIQ L/IIQ S	DB or Pro	No live view
IQ150	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
IQ140	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
P65+	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
P40+	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
P45+	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
P30+	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
P25+	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
P21+	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
P20+	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
Achromatic+	Yes	No	IIQ L/IIQ S	DB or Pro	No live view
P45	Yes	Yes*	IIQ L/IIQ S	DB or Pro	Live view upgrade required
P30	Yes	Yes*	IIQ L/IIQ S	DB or Pro	Live view upgrade required
P25	Yes	No	IIQ L/IIQ S/ Uncompressed	DB or Pro	None
P21	Yes	Yes*	IIQ L/IIQ S	DB or Pro	Live view upgrade required
P20	Yes	No	IIQ L/IIQ S/ Uncompressed	DB or Pro	None
H 25	Yes	No	IIQ/TIF Uncompressed	DB or Pro	None
H 20	Yes	No	IIQ/TIF Uncompressed	DB or Pro	None
H 101	Yes	No	IIQ/TIF Uncompressed	DB or Pro	None
H 10	Yes	No	IIQ/TIF Uncompressed	DB or Pro	None
H 5	Yes	No	IIQ/TIF Uncompressed	DB or Pro	None
LightPhase	Yes	No	IIQ/TIF Uncompressed	DB or Pro	None

Model	Tethered Support	Live view	File Support	Required run modes	Notes
iXU-RS1000	Yes	Yes	IIQ 16bit/ IIQ L/ IIQ S	DB or Pro (9.3 or later required)	None
iXU-RS180	Yes	Yes	IIQ L/IIQ S	DB or Pro (9.3 or later required)	None
iXU-RS160 Achromatic	Yes	Yes	IIQ L/IIQ S	DB or Pro (9.3 or later required)	No live view
iXU-RS160	Yes	Yes	IIQ L/IIQ S	DB or Pro (9.3 or later required)	None
iXU-RS150	Yes	Yes	IIQ L/IIQ S	DB or Pro (9.3 or later required)	None
iXU150	Yes	Yes	IIQ L/IIQ S	DB or Pro	None

Model	Tethered Support	Live view	Supported file and compression types	Required run modes	Notes
Credo 80	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
Credo 60	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
Credo 50	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
Credo 40	Yes	Yes	IIQ L/IIQ S	DB or Pro	None
Aptus-II 12R	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
Aptus-II 12	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
Aptus-II 10R	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
Aptus-II 10	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
Aptus-II 8	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
Aptus-II 7	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
Aptus-II 6	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
Aptus-II 5	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
AFi-II 12	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
AFi-II 10	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
AFi-II 7	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered
AFi-II 6	Yes	Yes	MOS compressed/uncompressed	DB or Pro	Only compressed when tethered

Leaf and Mamiya Legacy

Model	Tethered Support	Live view	Supported file and compression types	Required run modes	Notes
Aptus 75S	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
Aptus 65S	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
Aptus 54S	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
AFi 7	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
AFi 6	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
AFi 5	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
Aptus 75	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
Aptus 65	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
Aptus 22	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
Aptus 17	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered

Model	Tethered Support	Live view	File Support	Required run modes	Notes
DM56	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
DM40	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
DM33	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
DM28	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
DM22	Yes	Yes	MOS compressed/uncompressed	Pro	Only compressed when tethered
M31	Yes	No	IIQ L/IIQ S	DB or Pro	None
M22	Yes	No	IIQ L/IIQ S	DB or Pro	None
M18	Yes	No	IIQ L/IIQ S	DB or Pro	None

Model	Tethered Support	Live view	File support	Required run modes	Notes
MZD	No	No	MEF	Pro	None
ZD back	No	No	MEF	Pro	None



Model	Tethered Support	Live view	File Support	Required run modes	Notes
a7R II	Yes*	Yes*	ARW compressed/uncompressed	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
a7R	Yes*	No*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering
a7S II	Yes*	Yes*	ARW compressed/uncompressed	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
a7S	Yes*	Yes*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
a7 II	Yes*	Yes*	ARW compressed/uncompressed	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
a7	Yes*	No*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering
a6500	Yes*	Yes*	ARW	ES/ProS/Pro (10.0 or later required)	Pro (for Sony)/Pro required for tethering + Live View
a6300	Yes*	Yes*	ARW	ES/ProS/Pro (9.1 or later required)	Pro (for Sony)/Pro required for tethering + Live View
a6000	Yes*	No*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering
a5100	Yes*	No	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering
a5000	Yes*	No*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering
a3500	No	No	ARW	ES/ProS/Pro (10.0 or later required)	None
a3000	No	No	ARW	ES/ProS/Pro	None
NEX-F3	No	No	ARW	ES/ProS/Pro	None
NEX-C3	No	No	ARW	ES/ProS/Pro	None
NEX-7	No	No	ARW	ES/ProS/Pro	None
NEX-6	No	No	ARW	ES/ProS/Pro	None
NEX-5T	No	No	ARW	ES/ProS/Pro	None
NEX-5R	No	No	ARW	ES/ProS/Pro	None
NEX-5N	No	No	ARW	ES/ProS/Pro	None
NEX-5	No	No	ARW	ES/ProS/Pro	None
NEX-3N	No	No	ARW	ES/ProS/Pro	None
NEX-F3	No	No	ARW	ES/ProS/Pro	None
NEX-C3	No	No	ARW	ES/ProS/Pro	None
NEX-3	No	No	ARW	ES/ProS/Pro	None
NEX-VG900	No	No	ARW	ES/ProS/Pro	None
NEX-VG30	No	No	ARW	ES/ProS/Pro	None
NEX-VG20	No	No	ARW	ES/ProS/Pro	None
a99 II	Yes*	Yes*	ARW compressed/uncompressed	ES/ProS/Pro (10.0 or later required)	Pro (for Sony)/Pro required for tethering + Live View
a99	Yes*	No*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering
a77 II	Yes*	Yes*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
a77	No	No	ARW	ES/ProS/Pro	None
a68	Yes*	Yes*	ARW	ES/ProS/Pro (9.1 or later required)	Pro (for Sony)/Pro required for tethering + Live View
a65	No	No	ARW	ES/ProS/Pro	None
a58	No	No	ARW	ES/ProS/Pro	None
a57	No	No	ARW	ES/ProS/Pro	None
a55	No	No	ARW	ES/ProS/Pro	None
a37	No	No	ARW	ES/ProS/Pro	None



Model	Tethered Support	Live view	File Support	Required run modes	Notes
a35	No	No	ARW	ES/ProS/Pro	None
a33	No	No	ARW	ES/ProS/Pro	None
a900	No	No	ARW	ES/ProS/Pro	None
a850	No	No	ARW	ES/ProS/Pro	None
a700	No	No	ARW	ES/ProS/Pro	None
a580	No	No	ARW	ES/ProS/Pro	None
a560	No	No	ARW	ES/ProS/Pro	None
a550	No	No	ARW	ES/ProS/Pro	None
a500	No	No	ARW	ES/ProS/Pro	None
a450	No	No	ARW	ES/ProS/Pro	None
a390	No	No	ARW	ES/ProS/Pro	None
a380	No	No	ARW	ES/ProS/Pro	None
a350	No	No	ARW	ES/ProS/Pro	None
a330	No	No	ARW	ES/ProS/Pro	None
a300	No	No	ARW	ES/ProS/Pro	None
a290	No	No	ARW	ES/ProS/Pro	None
a230	No	No	ARW	ES/ProS/Pro	None
a200	No	No	ARW	ES/ProS/Pro	None
a100	No	No	ARW	ES/ProS/Pro	None
QX1	No	No	ARW	ES/ProS/Pro	None
RX1RM2	Yes*	Yes*	ARW compressed/uncompressed	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
RX1R	No	No	ARW	ES/ProS/Pro	None
RX1	No	No	ARW	ES/ProS/Pro	None
RX10M3	Yes*	Yes*	ARW	ES/ProS/Pro (9.1.1 or later required)	Pro (for Sony)/Pro required for tethering + Live View
RX10M2	Yes*	Yes*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
RX10	No	No	ARW	ES/ProS/Pro	None
RX100M5	Yes*	Yes*	ARW	ES/ProS/Pro (10.0 or later required)	Pro (for Sony)/Pro required for tethering + Live View
RX100M4	Yes*	Yes*	ARW	ES/ProS/Pro	Pro (for Sony)/Pro required for tethering + Live View
RX100M3	No	No	ARW	ES/ProS/Pro	None
RX100M2	No	No	ARW	ES/ProS/Pro	None
RX100	No	No	ARW	ES/ProS/Pro	None
R1	No	No	SR2	ES/ProS/Pro	None



Model	Tethered Support	Live view	File support	Required run modes	Notes
1D C	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
1D X Mark II	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro (9.1.2 or later required)	Face detection Auto focus not supported in Live View
1D X	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
1D Mark IV	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
1Ds Mark III	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
1D Mark III	Yes	Yes	CR2	Pro	None
1D Mark II N	No	No	CR2	Pro	None
1Ds Mark II	No	No	CR2	Pro	None
1D Mark II	No	No	CR2	Pro	None
1Ds	No	No	CR2	Pro	None
1D	No	No	CR2	Pro	None
5DS	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
5DS R	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
5D Mark IV	Yes*	Yes*	CR2 - RAW/mRAW/sRAW	Pro (9.3 or later required)	Dual pixel AF adjustment not supported
5D Mark III	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
5D Mark II	Yes	Yes	CR2 - RAW/mRAW/sRAW	Pro	None
5D	No	No	CR2	Pro	None
6D	Yes	Yes	CR2	Pro	None
7D	Yes	Yes	CR2	Pro	None
7D Mark II	Yes	Yes	CR2	Pro	None
80D	No	No	CR2	Pro (9.1.2 or later required)	mRAW not supported
70D	Yes	Yes	CR2	Pro	None
60D	Yes	Yes	CR2	Pro	None
50D	Yes	Yes	CR2	Pro	None
40D	Yes	Yes	CR2	Pro	None
30D	No	No	CR2	Pro	None
20D	No	No	CR2	Pro	None
10D	No	No	CRW	Pro	None
760D/Rebel T6s	Yes	Yes	CR2	Pro	None
750D/Rebel T6i	Yes	Yes	CR2	Pro	None
700D/Rebel T5i	Yes	Yes	CR2	Pro	None
650D/Rebel T4i	Yes	Yes	CR2	Pro	None
600D/Rebel T3i	Yes	Yes	CR2	Pro	None
550D/Rebel T2i	Yes	Yes	CR2	Pro	None
500D/Rebel T1i	Yes	Yes	CR2	Pro	None
450D/Rebel XSi	Yes	Yes	CR2	Pro	None



Model	Tethered Support	Live view	File support	Required run modes	Notes
400D/Rebel XTi	No	No	CR2	Pro	None
350D/Rebel XT	No	No	CR2	Pro	None
300D/Rebel	No	No	CRW	Pro	None
100D/Rebel SL1	No	No	CR2	Pro	None
1300D	Yes	Yes	CR2	Pro (9.1.2 or later required)	None
1200D/Rebel T5	Yes	Yes	CR2	Pro	None
1100D/Rebel T3	Yes	Yes	CR2	Pro	None
1000D/Rebel XS	Yes	Yes	CR2	Pro	None
100D/Rebel SL1	Yes	Yes	CR2	Pro	None
D60	No	No	CRW	Pro	None
D30	No	No	CRW	Pro	None
M10	No	No	CR2	Pro (9.2 or later required)	None
M5	No	No	CR2	Pro (10.0.2 or later required)	None
M3	No	No	CR2	Pro	None
M	No	No	CR2	Pro	None
Pro 1	No	No	CRW	Pro	None
G7X mk II	No	No	CR2	Pro (9.2 or later required)	None
G7X	No	No	CR2	Pro	None
G1X mk II	No	No	CR2	Pro	None
G1X	No	No	CR2	Pro	None
G16	No	No	CR2	Pro	None
G15	No	No	CR2	Pro	None
G12	No	No	CR2	Pro	None
G11	No	No	CR2	Pro	None
G10	No	No	CR2	Pro	None
G9X	No	No	CR2	Pro (9.2 or later required)	None
G9	No	No	CR2	Pro	None
G6	No	No	CRW	Pro	None
G5X	No	No	CR2	Pro (9.2 or later required)	None
G5	No	No	CRW	Pro	None
G3X	No	No	CR2	Pro	None
G3	No	No	CRW	Pro	None
G2	No	No	CRW	Pro	None
S120	No	No	CR2	Pro	None
S110	No	No	CR2	Pro	None
S100	No	No	CR2	Pro	None
S95	No	No	CR2	Pro	None
S90	No	No	CR2	Pro	None



Model	Tethered Support	Live view	File Support	Required run modes	Notes
D5	Yes	Yes	NEF	Pro (9.1.1 or later required)	12 bit uncompressed not supported
D4s	Yes	Yes	NEF (12bit/14bit/Comp/Uncomp): RAW-M)	Pro	RAW-S not supported
D4	Yes	Yes	NEF (12bit/14bit/Comp/Uncomp): RAW-M)	Pro	RAW-S not supported
DF	Yes	Yes	NEF	Pro	None
D3s	Yes	Yes	NEF	Pro	None
D3X	Yes	Yes	NEF	Pro	None
D3	Yes	Yes	NEF	Pro	None
D2Xs	No	No	NEF	Pro	None
D2X	Yes*	No	NEF	Pro	Tethered support for Windows only
D2Hs	No	No	NEF	Pro	None
D2H	No	No	NEF	Pro	None
D1X	No	No	NEF	Pro	None
D1H	No	No	NEF	Pro	None
D810	Yes	Yes	NEF	Pro	RAW-S not supported
D810A	Yes	Yes	NEF (12bit/14bit/Comp/Uncomp): RAW-M)	Pro	RAW-S not supported
D800	Yes	Yes	NEF (12bit/14bit/Comp/Uncomp): RAW-M)	Pro	RAW-S not supported
D800E	Yes	Yes	NEF (12bit/14bit/Comp/Uncomp): RAW-M)	Pro	RAW-S not supported
D750	Yes	Yes	NEF	Pro	None
D700	Yes	Yes	NEF	Pro	None
D610	Yes	Yes	NEF	Pro	None
D600	Yes	Yes	NEF	Pro	None
D500	Yes	Yes	NEF	Pro (9.2 or later required)	None
D300s	Yes	Yes	NEF	Pro	None
D300	Yes	Yes	NEF	Pro	None
D200	Yes*	No	NEF	Pro	Tethered support for Windows only
D100	No	No	NEF	Pro	None
D90	Yes	Yes	NEF	Pro	None
D80	Yes	No	NEF	Pro	None
D70s	No	No	NEF	Pro	None
D70	No	No	NEF	Pro	None
D60	Yes	No	NEF	Pro	None
D50	No	No	NEF	Pro	None
D40X	Yes	No	NEF	Pro	None
D40	Yes	No	NEF	Pro	None
D7200	Yes	Yes	NEF	Pro	None
D7100	Yes	Yes	NEF	Pro	None
D7000	Yes	Yes	NEF	Pro	None



Model	Tethered Support	Live view	File Support	Required run modes	Notes
D5500	Yes	Yes	NEF	Pro	None
D5300	Yes	Yes	NEF	Pro	None
D5200	Yes	Yes	NEF	Pro	None
D5100	Yes	Yes	NEF	Pro	None
D5000	Yes	Yes	NEF	Pro	None
D3300	No	No	NEF	Pro	None
D3200	No	No	NEF	Pro	None
D3100	No	No	NEF	Pro	None
D3000	No	No	NEF	Pro	None
P330	No	No	NEF	Pro	None
P340	No	No	NEF	Pro	None
P7800	No	No	NEF	Pro	None
P7700	No	No	NEF	Pro	None
P7100	No	No	NEF	Pro	None
P7000	No	No	NEF	Pro	None
P6000	No	No	NEF	Pro	None
1 AW1	No	No	NEF	Pro	None
J5	No	No	NEF	Pro (10.0.2 or later required)	None
J4	No	No	NEF	Pro	None
J3	No	No	NEF	Pro	None
J2	No	No	NEF	Pro	None
J1	No	No	NEF	Pro	None
V3	No	No	NEF	Pro	None
V2	No	No	NEF	Pro	None
V1	No	No	NEF	Pro	None
S1	No	No	NEF	Pro	None
Coolpix A	No	No	NEF	Pro	None



Model	Tethered Support	Live view	File Support	Required run modes	Notes
Leica SL	No	No	DNG native	Pro (9.1 or later required)	None
M (Typ 240)	No	No	DNG native	Pro	None
X1	No	No	DNG native	Pro	None
C (Typ 112)	No	No	RWL	Pro	None
D-Lux 5	No	No	RWL	Pro	None
M (Typ 220)	No	No	DNG native	Pro	None
M-Monochrom	No	No	DNG native	Pro	None
X (Typ 113)	No	No	DNG native	Pro	None
X2	No	No	DNG native	Pro	None
X Vario	No	No	DNG native	Pro	None
M9	No	No	DNG native	Pro	None
M8	No	No	DNG native	Pro	None
T (Typ 701)	No	No	DNG native	Pro	None
V-Lux 4	No	No	RWL	Pro	None
D-Lux (Typ 109)	No	No	RWL	Pro	None
D-Lux 6	No	No	RWL	Pro	None
Q (Typ 116)	No	No	DNG native	Pro	None
D-Lux 4	No	No	RW2	Pro	None
Digilux 3	No	No	RAW	Pro	None
Digital Module R	No	No	RAW	Pro	None

Model	Tethered Support	Live view	File Support	Required run modes	Notes
X-Pro2	No	No	RAF (compressed not supported)	Pro (9.1.1 or later required)	LCC/Export to DNG - Not supported
X-T2	No	No	RAF (compressed not supported)	Pro (9.3 or later required)	LCC/Export to DNG - Not supported
X-T1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X-Pro1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X100F	No	No	RAF (compressed not supported)	Pro (10.0.2 or later required)	LCC/Export to DNG - Not supported
X100T	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X10	No	No	RAF	Pro	LCC/Export to DNG - Not supported
XQ1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X-A3	No	No	RAF	Pro (10.0.2 or later required)	LCC/Export to DNG - Not supported
X-A2	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X-A1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X-M1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X-S1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X-E2s	No	No	RAF	Pro (9.3 or later required)	LCC/Export to DNG - Not supported
X-E2	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X-E1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
XF1	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X100S	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X100	No	No	RAF	Pro	None
X70	No	No	RAF	Pro (9.3 or later required)	LCC/Export to DNG - Not supported
X30	No	No	RAF	Pro	LCC/Export to DNG - Not supported
X20	No	No	RAF	Pro	LCC/Export to DNG - Not supported
XT10	No	No	RAF	Pro	LCC/Export to DNG - Not supported
S5 Pro	No	No	RAF	Pro	LCC/Export to DNG - Not supported
S3 Pro	No	No	RAF	Pro	LCC/Export to DNG - Not supported
S2 Pro	No	No	RAF	Pro	LCC/Export to DNG - Not supported

Model	Tethered Support	Live view	File Support	Required run modes	Notes
E-M1 mkII	No	No	ORF	Pro (10.0 or later required)	None
E-1	No	No	ORF	Pro	None
E-M1	No	No	ORF	Pro	None
E-M5 II	No	No	ORF	Pro	High res mode not supported
E-M5	No	No	ORF	Pro	None
E-M10	No	No	ORF	Pro	None
E-M10 Mk II	No	No	ORF	Pro (9.1 or later required)	None
Pen-F	No	No	ORF	Pro (9.1 or later required)	Pixel shift mode not supported
Stylus 1	No	No	ORF	Pro	None
E-5	No	No	ORF	Pro	None
E-P5	No	No	ORF	Pro	None
E-PL7	No	No	ORF	Pro	None
E-PL6	No	No	ORF	Pro (10.0.2 or later required)	None
E-PL5	No	No	ORF	Pro	None
E-PL3	No	No	ORF	Pro	None
E-PL2	No	No	ORF	Pro	None
E-PM2	No	No	ORF	Pro	None
E-PM1	No	No	ORF	Pro	None
XZ-2 iHS	No	No	ORF	Pro	None
XZ-1	No	No	ORF	Pro	None

Model	Tethered Support	Live view	File Support	Required run modes	Notes
XZ-10	No	No	ORF	Pro	None
E-620	No	No	ORF	Pro	None
E-3	No	No	ORF	Pro	None
E-520	No	No	ORF	Pro	None
E-510	No	No	ORF	Pro	None
E-450	No	No	ORF	Pro	None
E-P3	No	No	ORF	Pro	None
E-P2	No	No	ORF	Pro	None
E-P1	No	No	ORF	Pro	None
E-420	No	No	ORF	Pro	None
E-410	No	No	ORF	Pro	None
E-500	No	No	ORF	Pro	None
E-10	No	No	ORF	Pro	None
E-20	No	No	ORF	Pro	None
E-30	No	No	ORF	Pro	None
E-330	No	No	ORF	Pro	None
E-300	No	No	ORF	Pro	None
E-400	No	No	ORF	Pro	None
C-7070	No	No	ORF	Pro	None
C-8080	No	No	ORF	Pro	None
TG-4	No	No	ORF	Pro	None



Model	Tethered Support	Live view	File Support	Required run modes	Notes
GR	No	No	DNG native	Pro	None
GR II	No	No	DNG native	Pro (9.1 or later required)	None
GR DIGITAL II	No	No	DNG native	Pro	None
GX200	No	No	DNG native	Pro	None
GXR A16	No	No	DNG native	Pro	None
GR DIGITAL IV	No	No	DNG native	Pro	None
GR DIGITAL III	No	No	DNG native	Pro	None
GR DIGITAL	No	No	DNG native	Pro	None
GX100	No	No	DNG native	Pro	None
GRX S10	No	No	DNG native	Pro	None
GXR P10	No	No	DNG native	Pro	None
GXR A12	No	No	DNG native	Pro	None

Model	Tethered Support	Live view	File Support	Required run modes	Notes
GX8	No	No	RW2	Pro	None
GX80	No	No	RW2	Pro (9.3 or later required)	None
GX85	No	No	RW2	Pro (9.3 or later required)	None
G7 Mk II	No	No	RW2	Pro (9.3 or later required)	None
GX7	No	No	RW2	Pro	None
GX1	No	No	RW2	Pro	None
GF7	No	No	RW2	Pro	None
GF6	No	No	RW2	Pro	None
GF5	No	No	RW2	Pro	None
GF3	No	No	RW2	Pro	None
GF2	No	No	RW2	Pro	None
GF1	No	No	RW2	Pro	None
GM5	No	No	RW2	Pro	None
GM1	No	No	RW2	Pro	None
GH4	No	No	RW2	Pro	None
GH3	No	No	RW2	Pro	None
GH2	No	No	RW2	Pro	None
GH1	No	No	RW2	Pro	None
G8/G80/G81/G85	No	No	RW2	Pro (10.0.2 or later required)	None
G7/ DMC-G70	No	No	RW2	Pro (9.1.2 or later required)	None
G6	No	No	RW2	Pro	None
G5	No	No	RW2	Pro	None
G3	No	No	RW2	Pro	None
G2	No	No	RW2	Pro	None
G1	No	No	RW2	Pro	None
G10	No	No	RW2	Pro	None
LX100	No	No	RW2	Pro	None
LX9/LX10/LX15	No	No	RW2	Pro (10.0.2 or later required)	None
LX7	No	No	RW2	Pro	None
LX5	No	No	RW2	Pro	None
LX3	No	No	RW2	Pro	None
FZ72	No	No	RW2	Pro	None
FZ45	No	No	RW2	Pro	None
FZ200	No	No	RW2	Pro	None
FZ150	No	No	RW2	Pro	None
FZ1000	No	No	RW2	Pro	None
FZ100	No	No	RW2	Pro	None
LF1	No	No	RW2	Pro	None

PENTAX

Model	Tethered Support	Live view	File Support	Required run modes	Notes
K-1	No	No		Pro (9.2 or later required)	Pixel shift mode not supported
K-01	No	No		Pro	None
K-30	No	No		Pro	None
K110D	No	No		Pro	None
MX-1	No	No		Pro	None
K-3	No	No	PEF	Pro	PEF only
K-3 II	No	No		Pro	Pixel shift mode not supported
K-5 IIs	No	No		Pro	None
K-5 II	No	No		Pro	None
K-5	No	No		Pro	None
K50	No	No		Pro	None
K-S2	No	No		Pro (9.1 or later required)	None
K-r	No	No		Pro	None
K20D	No	No		Pro	None
K10D	No	No		Pro	None
K7	No	No		Pro	None
KX	No	No		Pro	None
K200D	No	No		Pro	None
K100D Super	No	No		Pro	None
K100D	No	No		Pro	None
K2000/K-m	No	No		Pro	None
*istD	No	No		Pro	None
*istDL2	No	No		Pro	None
*istDL	No	No		Pro	None
*istDS2	No	No		Pro	None
*istDS	No	No		Pro	None
Q10	No	No		Pro	None
Q7	No	No		Pro	(FW 1.0.0 Only)
Q	No	No	PEF	Pro	PEF only



Model	Tethered Support	Live view	File Support	Required run modes	Notes
NX1	No	No	SRW	Pro	None
NX11	No	No	SRW	Pro	None
NX3000	No	No	SRW	Pro	None
NX2000	No	No	SRW	Pro	None
NX30	No	No	SRW	Pro	None
NX20	No	No	SRW	Pro	None
NX10	No	No	SRW	Pro	None
NX5	No	No	SRW	Pro	None
NXMini	No	No	SRW	Pro	None
NX300	No	No	SRW	Pro	None
NX210	No	No	SRW	Pro	None
NX200	No	No	SRW	Pro	None
NX100	No	No	SRW	Pro	None
NX1000	No	No	SRW	Pro	None
EX2F	No	No	SRW	Pro	None



Model	Tethered Support	Live view	File Support	Required run modes	Notes
Alpha 5 D	No	No	MRW	Pro	None
Alpha 7 D	No	No	MRW	Pro	None
A1	No	No	MRW	Pro	None
A2	No	No	MRW	Pro	None

Other

Model	Tethered Support	Live view	File Support	Required run modes	Notes
Cinema DNG	N/A	N/A	N/A	Pro	None
Linear DNG	N/A	N/A	N/A	Pro	None
DNG 1.4	N/A	N/A	N/A	Pro	None
Epson RD1	No	No	DNG	Pro	None
Epson RD1s	No	No	DNG	Pro	None
DxO One	No	No	DNG	Pro (9.0.1 or later required.)	Multi shoot mode not supported.

Phase One Lens Profiles (645)

Phase One

Focal plane lenses	Leaf shutter lens profiles
Digital AF 28mm f/4.5 Aspherical	LS 28mm f/4.5 Aspherical
Digital AF 35mm f/3.5	LS 35mm f/3.5 (Blue Ring)
Digital AF 45mm f/2.8	LS 40-80mm f/4.0-5.6
Digital AF 80mm f/2.8	LS 45mm f/3.5
Digital AF 150mm f/2.8 IF	LS 55mm f/2.8
Digital AF 150mm (2x Tele) f/5.6	LS 75-150mm f/4-5.6
Digital AF 120mm f/4 Macro	LS 80mm f/2.8
Digital Zoom AF 75-150mm f/4.5	LS 110mm f/2.8
Schneider-Kreuznach 120mm TS f/3.5	LS 120mm Macro f/4
MF 120mm f/4 Macro	LS 150mm f/2.8
	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 Lens Profiles (645)

Mamiya

Focal plane lenses	Leaf shutter lens profiles
Sekor MF 120mm f/4.0 Macro	Sekor LS 55mm f/2.8 D
Sekor AF 150mm f/2.8 IF D	Sekor LS 80mm f/2.8 D
Sekor AF 150mm IF D (2x Tele) f/5.6	Sekor LS 110mm f/2.8 D
Sekor AF 28mm f/4.5 Aspherical D	Sekor LS 150mm f/3.5
Sekor AF 80mm f/2.8 D	Sekor LS 150mm (2x Tele) f/7.0
A 200mm f/2.8 APO	Sekor LS 240mm f/4.5
A 300mm f/2.8 APO	Sekor LS 240mm (2x Tele) f/9.0
A 500mm f/4.5 APO	
AF 35mm f/3.5	
AF 45mm f/2.8	
Mamiya Sekor Fisheye ULD C 24mm 1:4	

A-Series and Technical Lens Profiles

Rodenstock

HR Digaron - S 5.6/23 mm
HR Digaron - W 4.0/32 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 4.0/40mm/Aerial
HR Digaron - W 4.0/50mm/Aerial
HR Digaron - W 5.6/70mm/Aerial
HR Digaron - W 5.6/70 mm
HR Digaron-SW 5.6/90 mm/Aerial
ALPA HR Alpagon 5.6/90mm
RS-32mm/Aerial
RS-40mm/Aerial
RS-50mm/Aerial
RS-70mm/Aerial
RS-90mm/Aerial

A - Series

Alpagon 5.6/23 mm
Alpar 4.0/35 mm
Alpagon 5.6/70mm

Schneider Kreuznach

Schneider Kreuznach RS-110mm/Aerial
Schneider Kreuznach RS-150mm/Aerial

Hasselblad V and H

Carl Zeiss (Hasselblad V)

Distagon T* 4/40 IF CFE

Distagon T* 3.5/60 CF

Distagon T* 2.8/80

Makro-Planar T* 4/120 CFE

Hasselblad H

HC 3.5/35

HC 2.8/80

HC 2.2/100

HC 3.2/150

HC 3.5-4.5/50-110

HC 4/120

HCD 4/28

Contax 645

Contax 645

Carl Zeiss Distagon T* 2.8/45

Carl Zeiss Distagon T* 3.5/35

Carl Zeiss Distagon T* 3.5/55

Carl Zeiss Planar T* 2/80

Carl Zeiss Apo-Makro-Planar T* 4/120

Carl Zeiss Sonnar T* 2.8/140

Carl Zeiss Sonnar T* 4/210

Sony Lens Profiles

Sony (E-Mount)

FE 24-70mm F2.8 GM (SEL2470GM)
FE 70-200mm F2.8 GM OSS (SEL70200GM)
FE 70-200mm F4 G OSS (SEL70200G)
FE 70-200mm F2.8 GM OSS + Sony 1.4x Teleconverter (SEL14TC)
FE 70-200mm F2.8 GM OSS + Sony 2x Teleconverter (SEL20TC)
FE 70-300mm F4.5-5.6 G OSS (SEL70300G)
FE 85mm F1.4 GM (SEL85F14GM)
Zeiss Sonnar T* E 24 mm F1.8 ZA (SEL24F18Z)
Zeiss Vario-Tessar T* E 16-70mm F4 ZA OSS (SEL1670Z)
Zeiss Vario-Tessar T* FE 24-70 mm F4 ZA OSS (SEL2470Z)
Zeiss Sonnar T* FE 35 mm F2.8 ZA (SEL35F28Z)
Zeiss Planar T* FE 50mm F1.4 ZA (SEL50F14Z)
Zeiss Sonnar T* FE 55mm F1.8 ZA (SEL55F18Z)
FE 28mm F2 (SEL28F20)
FE 28mm F2 (SEL28F20) + Ultra wide converter (SELO75UWC)
FE 28mm F2 (SEL28F20) + Fisheye converter (SELO57FEC)
FE 24-240 F3.5-6.3 OSS (SEL24240)
FE 28-70mm F3.5-5.6 OSS (SEL2870)
FE 50mm F1.8 (SEL50F18F)
FE 50mm F2.8 Macro (SEL50M28)
E 16mm F2.8 (SEL16F28)
E 20mm F2.8 (SEL20F28)
E 10-18mm F4 OSS (SEL1018)
E 18-55mm F3.5-5.6 OSS (SEL1855)
E PZ 16-50mm F3.5-5.6 OSS (SELP1650)
E PZ 18-105mm F4 G OSS (SELP18105G)
E 18-200mm F3.5-6.3 OSS (SEL18200)
E 30mm F3.5 Macro (SEL30M35)
E 35mm F1.8 OSS (SEL35F18)
E 50mm F1.8 OSS (SEL50F18)
E 55-210mm F4.5-6.3 OSS (SEL55210)

Sony (A-Mount)

70-200mm F2.8 G SSM II (SAL70200G2)
70-200mm F2.8 G (SAL70200G)
300MM F2.8 G SSM II (SAL300F28G2)
70-300mm F4.5-5.6 G SSM (SAL70300G)
70-300mm F4.5-5.6 G SSM II (SAL70300G2)
70-400mm F4-5.6 G SSM (SAL70400G)
70-400mm F4-5.6 G SSM II (SAL70400G2)
Zeiss Vario-Sonnar T* 16-35 mm F2.8 ZA SSM II (SAL1635Z2)
Zeiss Vario-Sonnar T* 16-35mm F2.8 ZA SSM (SAL1635Z)
Zeiss Vario-Sonnar T* 24-70mm F2.8 ZA SSM II (SAL2470Z2)
Zeiss Vario-Sonnar T* 24-70mm F2.8 ZA SSM (SAL2470Z)
Zeiss Distagon T* 24mm F2 ZA SSM (SAL24F20Z)
Zeiss Planar T* 85 mm F1.4 ZA (SAL85F14Z)
Zeiss Sonnar T* 135mm F1.8 ZA (SAL135F18Z)
16mm F2.8 Fisheye (SAL16F28)
20mm F2.8 (SAL20F28)
35mm F1.4G (SAL 35F14G)
50mm F1.4 (SAL50F14)
50mm F2.8 Macro (SAL50M28)
85mm F2.8 SAM (SAL85F28)
100mm F2.8 Macro (SAL100M28)
DT 11-18mm F4.5-5.6 (SAL1118)
DT 16-50mm F2.8 SSM (SAL1650)
DT 18-55mm F3.5-5.6 SAM II (SAL18552)
DT 18-250mm F3.5-6.3 (SAL18250)
DT 30mm F2.8 Macro SAM (SAL30M28)
DT 35mm F1.8 SAM (SAL35F18)
DT 50mm F1.8 SAM (SAL50F18)
28-75mm F2.8 SAM (SAL2875)
135mm F2.8 [T4.5] STF (SAL135F28)

Sony Lens Profiles

Zeiss

Zeiss Batis 2.8/18

Zeiss Batis 2/25

Zeiss Batis 1.8/85

Zeiss Touit 2.8/12

Zeiss Touit 1.8/32

Zeiss Touit 2.8/50

Zeiss Loxia 2.8/21

Zeiss Loxia 2/35

Zeiss Loxia 2/50

Sigma

30mm F2.8 EX DN

60mm F2.8 DN A

Canon Lens Profiles

Canon

EF 14mm f/2.8 II USM
EF 16-35mm f/2.8L II USM
EF 17-40mm f/4L USM
EF 20mm f/2.8 USM
EF 28mm f/2.8 IS 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 f/1.4L II USM
EF 35mm f/1.4L USM
EF 35mm f/1.4 II USM
EF 40mm f/2.8 STM
EF 50mm f/1.2L USM
EF 50mm f/1.4 USM
EF 50mm f/1.8 STM
EF 50mm f/2.5 Compact Macro
EF 50mm f/1.8 II
EF 70-200mm f/2.8L USM
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 USM
EF 100mm f/2.8L Macro IS USM
EF 100-400mm f/4.5-5.6L IS USM
EF 135mm f/2L USM
EF 180mm f/3.5L Macro USM
EF 200mm f/2L IS USM
EF 300mm f/2.8L IS II 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 18-135 f3.5-5.6 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-M15-45mm f/3.5-6.3 IS STM

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
120-300mm F2.8 DG OS HSM | S
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

Canon Lens Profiles

Sigma (Canon EF)

Sigma 24-35mm F2 DG HSM | A

Sigma 50mm F1.4 DG HSM | A

Zeiss (Canon EF)

Zeiss Milvus 21mm F2.8

Zeiss Milvus 35mm F2

Zeiss Milvus 50mm F1.4

Zeiss Milvus 50mm F2

Zeiss Milvus 85mm F1.4

Zeiss Milvus 100mm F2

Tamron (Canon EF)

SP 24-70mm F/2.8 Di VC USD

Nikon Lens Profiles

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 16-80mm f/2.8-4E ED VR
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
Nikon AF-S DX NIKKOR 18-135mm f/3.5-5.6G IF-ED
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/2.8E 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 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 35mm f/1.8G ED
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

Nikon

AF-S VR Zoom 70-300mm f/4.5-5.6G IF- ED
AF DC-Nikkor 135mm f/2D
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

Sigma (Nikon F)

19mm f2.8 EX DN
20mm F1.8 EX DG ASP RF
24mm F1.4 DG HSM | A
30mm F1.4 DC HSM | A
35mm F1.4 DG HSM | A
70mm F2.8 EX DG Macro
12-24mm F4.5-5.6 DG HSM II
70-300mm F4-5.6 DG OS
120-300mm F2.8 EX DG OS APO HSM
150-600 F5-6.3 DG OS HSM

Carl Zeiss (Nikon F)

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
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

Olympus Lens Profiles

Olympus

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 7-14mm f2.8 PRO
M.ZUIKO DIGITAL ED 9-18mm 1:4.0-5.6
M.ZUIKO DIGITAL ED 12-40mm 1:2.8
M.ZUIKO DIGITAL ED 12-100mm f/4 IS PRO
M.ZUIKO DIGITAL 14-42mm 1:3.5-5.6 II R
M.ZUIKO DIGITAL ED 14-150mm 1:4.0-5.6 II
M.ZUIKO DIGITAL ED 40-150mm f/2.8 Pro
M.ZUIKO DIGITAL ED 40-150mm 1:4.0-5.6 R
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 25mm f/1.2 PRO
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
ZUIKO DIGITAL ED 7-14mm 1:4.0
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
ZUIKO DIGITAL ED 8mm Fisheye 1:3.5
M.ZUIKO ED 8mm F1.8 Fisheye PRO

Pentax Lens Profiles

Pentax

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

Panasonic Lens Profiles

Panasonic

LUMIX G 14mm F2.5 ASPH.
LUMIX G 20mm F1.7 ASPH.
LUMIX G Vario 7-14mm F4 ASPH
LUMIX G X VARIO 12-35mm F2.8 ASPH. POWER O.I.S
LUMIX G VARIO 14-42 f3.5-5.6 II ASPH. O.I.S.
LUMIX G VARIO 14-42mm F3.5-5.6 ASPH. MEGA O.I.S.
LUMIX G Vario 14-140mm f3.5-5.6
LUMIX G Vario 14-140mm f3.5-5.6 ASPH Power O.I.S
LUMIX G LEICA DG VARIO-ELMAR Lens, 100-400mm F4.0-6.3 ASPH

Leica Lens Profiles

Leica

50mm f.2 Summicron-M

Fixed Lens Profiles

Fixed Lens cameras

Canon PowerShot G1 X

Canon G5x fixed lens

Canon G7x MkII fixed lens

Canon G9x fixed lens

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

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-RX100

Sony Cyber-shot DSC-RX10

Sony RX1/RX1R