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**Capture One**  
made by PHASE**ONE**

# Capture One 12

12.0

# Capture One release notes

Capture One 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 is a professional RAW converter offering you ultimate image quality with beautiful colors and incredible detail for more than 500 high-end cameras. It offers state-of-the-art tethered capture, powerful digital asset management, extensive adjustment tools and a flexible workflow through customizable workspaces.

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 is available in a number of modes

- Capture One Pro
- Capture One Pro DB (Digital Back support only)
- Capture One Pro Fujifilm (Fujifilm camera support only)
- Capture One Pro Sony (Sony camera support only)
- Capture One Express Fujifilm (Fujifilm camera support only)
- Capture One Express Sony (Sony camera support only)
- Capture One Enterprise
- Capture One CH (Cultural Heritage)

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

Best regards,  
Team Phase One

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## 12.0.1 Lens support

- Canon RF 50mm f/1.2L USM

## 12.0.1 Bug Fixes Mac

- Fixed an issue that sometimes resulted in a crash when switching between tools
- Fixed a crash issue when sometimes emptying Session trash
- Fixed a crash upon new album creation
- Fixed a crash when erasing/drawing part of Luma Mask
- Fixed a crash when changing cursor tool with no image selected and the Navigation Tool shown
- Fixed a crash when selecting a non-existent Output directory
- Fixed an issue where Next Capture Naming field is highlighted after switching tabs
- Fixed: Import third party catalogs option missing from Capture One Express
- Fixed: Setting custom Normalize values by right-clicking with the picker doesn't work
- Fixed a viewer issue with proofing after composition correction
- Fixed an issue where setting format to DNG in process recipe doesn't reset scale
- Fixed a performance issue where undo of mask point takes too long
- Fixed an issue where some tools in the viewer were disabled after workspace switch.
- Fixed an issue where mask changes are lost after processing and restarting
- Fixed an issue where watermark shows "Empty Name" if Text field is empty
- Various minor fixes for the library tool
- Updated the "Stitch with Photoshop" script to work with Adobe Photoshop 2019
- AppleScript: Fix for normalization commands failing upon variants lacking proxies
- AppleScript: Fix for export originals crash
- AppleScript: Recipe 'pixels per inch' sometimes causes error
- AppleScript: 'Apply Normalize' point vertically flipped

## 12.0.1 Bug Fixes Win

- Various stability improvements
- Fixed an issue where help links points to 11 documentation
- Fixed a hang when running at 120% dpi scaling
- Fixed a UI issue when resizing floating tools
- Fixed an issue when deleting referenced folders in Catalogs
- Fixed: "Edit with" option is missing in Capture One Express
- Fixed: Menu items disappear after having Capture One in full screen
- Fixed an issue where User Collections imported from Lightroom sometimes gave empty albums in Capture One
- Fixed a UI issue in Color Editor
- Fixed an occasional occurrence of disabled sliders after re-enabling a layer
- Fixed an issue where "Show in Explorer" did not work if folder name had a comma
- Fixed an issue with Live View focus meter area when moved
- Fixed an issue with long metadata strings not displaying correctly
- Fixed an issue with the camera properties occasionally missing in camera tools
- Fixed an issue where the tool bar could not be disabled in full screen mode
- Fixed an issue where the White Balance Mode on Layers occasionally appeared blank
- Improved performance of using "Locate" on a folder in a catalog
- Fixed an issue where "EmptyName" folders were created on import for movie files
- Fixed an issue with keyboard shortcuts not working after a left click inside empty batch queue
- Fixed an issue where rating during import makes thumbnails to not appear
- Fixed the logic when using "Does not contain" in IPTC filters

# 12.0 Major release: Highlights

Capture One 12.0 is a major release of Capture One containing new functionality.

## **New features**

- New interface
- New Menu system
- New Keyboard Shortcut Manager
- Luma Range Masking
- Linear Gradient Mask tool
- Radial Gradient Mask tool
- Plug-ins - Export and publish
- User experience changes
- Extended AppleScript support
- Fujifilm Film Simulations

## **Other**

Capture One 12.0 also contains user experience changes, additional 3rd party camera and lens support, general bug fixes and under the hood tweaks for all Capture One variants.

# 12.0 Feature walk through

## New interface

Capture One 12 introduces a new and decluttered “super flat” UI, designed primarily to make Capture One easier to use over long editing sessions. Revised iconography helps to explain basic functionality for new users. The Menu system and equivalent application functions are now also more closely aligned to help aid discovery.

## New Menu system

As part of the new user interface, the application menu system is completely reorganized to allow for easier discovery of functionality as well as cleaner logic and function grouping. New menu items like Layer and Select allow for future expansion. Shortcutable menu commands to things that were previously inaccessible, are now also available in the Shortcut Manager.

## New Keyboard Shortcut Manager

With over 500 individually shortcutable commands, finding or learning the shortcuts can be a daunting process. The Shortcut Manager is re-designed to make using shortcuts easier than ever. Now you can search (by assigned key or by menu command) and easily add shortcuts with a more intuitive interface. The Shortcut Manager is relocated as part of the Menu system reorganization and now resides in the Edit menu > Edit Keyboard Shortcuts.

## Luma Range Masking

The new Luma Range mask option allows the user to create masks derived from the brightness of pixels in an image. To use the feature, draw a mask (or create a new fill mask) then press the Luma Range button. Adjust the slider in and out points to “clamp” the values on the mask to limit the range required.

## Linear Gradient Mask tool

Capture One’s gradient masking feature gets a serious upgrade! Gradient masks are now editable, movable, rotatable and can be made asymmetric - all using the powerful new Parametric masking engine. When adjusting the size (click+drag outer line to change size) use the Shift key to modify symmetrically or Alt key to modify asymmetrically.

## Radial Gradient Mask tool

The new Radial Mask tool allows for quick drawing of vignette and fall off effects. Using the same Parametric engine as Gradient Masks, Radial Masks can be adjusted, rotated and moved after drawing for maximum control. Use Shift (Mac) key to modify symmetrically.

## Plug-ins - Export and Publish

Capture One 12 introduces a new Plug-in platform for developers wishing to build content and functionality for the Capture One community. For more information on developing Capture One plug-ins, see the developer portal on [www.phaseone.com](http://www.phaseone.com)

As part of the new Plug-in platform, “Edit with...” and “Open with...” are re-factored as plug-ins. These can now be configured with your favorite applications from the Preferences menu, which will then only show those applications in the respective menus.

## User experience changes and tweaks throughout the app

A number of small but important user experience changes round up the Capture One 12 release:

- Cleaned up browser list mode
- Ignore composition in copy/paste settings operations
- Almost all cursors have been made bigger
- All font sizes made bigger
- Frameless viewer labels
- Bigger thumbnails in the batch queue
- Various UI alignment and padding fixes

## Other

Helicon Focus functionality has been ported to a Capture One plugin and will be available for download from [www.phaseone.com](http://www.phaseone.com)

# 12.0 Feature walk through

## Extended AppleScript support

Capture One's automation ability is extended again based on user feedback. The following areas/properties are now addressable through scripts:

- Normalize tool
- Locate
- Set/clear/get compare variant
- Overlay
- Workspaces
- Black and White
- Live View focus meters
- Styles on Layers
- Readouts
- Upgrade Engine
- Capture Pilot Server
- Process history
- Native activities
- Collection sort order
- UUID for all objects

## Fujifilm Film Simulations

"Film Simulations" is supported in Capture One 12 for a number of Fujifilm Cameras\*. These Film Simulations have been faithfully reproduced inside Capture One to give a digital experience equivalent to that of shooting with traditional Fujifilm negative and color reversal film. Fujifilm simulations can be found in the Base Characteristics tool -> Film Curve (if using a supported camera).

The supported models have a potential 16 modes available that suit various scenes and subjects. For example, "Provia" "Velvia" and "Astia" reproduce iconic Fujifilm color reversal films; "Classic Chrome" conveys the iconic look and feel of Photographic Magazines from the 1950's; "PRO Neg.Std" and "PRO Neg.Hi" reproduce Professional Negative Film used in Portrait Studios; and Black and White "ACROS" reproduces smooth tonality, with a higher D-Max and rich texture.

\*See the table opposite for current support

FUJIFILM GFX 50S FUJIFILM GFX 50R	FUJIFILM X-T3	FUJIFILM X-Pro2 FUJIFILM X-T20 FUJIFILM X-T2 FUJIFILM X-E3 FUJIFILM X100F	FILM STYLE	
•	•	•	PROVIA/STANDARD	
•	•	•	Velvia/VIVID	
•	•	•	ASTIA/SOFT	
•	•	•	CLASSIC CHROME	
•	•	•	PRO Neg. Hi	
•	•	•	PRO Neg. Std	
•	•	•	MONOCHROME	
•	•	•	MONOCHROME + Ye FILTER	
•	•	•	MONOCHROME + R FILTER	
•	•	•	MONOCHROME + G FILTER	
•	•	•	SEPIA	
•	•	•	ACROS	
•	•	•	ACROS + Ye FILTER	
•	•	•	ACROS + R FILTER	
•	•	•	ACROS + G FILTER	
	•	•	ETERNA	



## 12.0 Camera support

- Nikon Z7
- Nikon Z6
- Canon EOS R
- Canon EOS M50
- Fujifilm GFX 50R

# System requirements

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

## Microsoft® Windows® minimum requirements

- Intel or AMD 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 8.1® 64-bit, Windows 10® 64-bit\*
- Microsoft® .NET Framework version 4.7 (will be installed if not present)

*\*Support for Capture One 12 on Windows 10 is supported for builds supporting .NET 4.7 - This is currently from Windows 10 Anniversary Update (build 1607) through to October 2018 Update (build 1809).*

## Apple® Macintosh® minimum requirements

- Intel 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
- macOS 10.12.6, macOS 10.13.6 macOS 10.14\*

*\*Support for macOS 10.14 is supported for builds up to 10.14.1*

## Recommended system requirements

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

- Intel CPU with 4+ cores
- 16+ GB of RAM
- Solid State Disk (SSD)
- Dual (matching) Graphics card from NVIDIA or AMD with 4GB+ RAM per card

*Note: Due to the significant additional calculation overhead, systems using 4k/5k monitors will require additional resources in addition to the above recommended spec (both in GPU and CPU power). For a Professional experience we recommend at least doubling the specification above for these configurations.*



# Installation

Capture One 12 is compatible with previous 11.x, 10.x, 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 12.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.

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.

## 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.



# 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.
- Some cameras provide mutlishot 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 "stack" 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 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

- 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](https://support.phaseone.com)

## 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

Layered 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) but for viewing purposes only. Reprocessing the image will result in a new flattened image.

PSD: Capture 10.1 onward can support PSD files in the viewer. The PSD can contain any adjustments, layers, text or smart objects but must be saved in Photoshop with "maximize compatibility" enabled. Reprocessing the image from Capture One will result in a new flattened image.

## File size limitations:

- Smallest supported file for viewing: minimum side of 16px
- Smallest supported file for editing: minimum side of 512px.
- Largest supported file: Width x Height must be smaller than 40000 x 20000 pixels or sum thereof.

## Camera support:

RAW files support is listed below with known limitations listed in the notes section. Special or auxiliary modes (like pixel shift) are only supported if noted. If the information below is incomplete or you need specific information pertaining to support in Capture One please make a support case - [support.phaseone.com](https://support.phaseone.com)

Model	Version Added	Required Run Modes	Tethered/Live View	File Support	Notes
IQ4 150MP	11.2.1	DB or Pro	Yes/Yes	IIQ 16bit/ IIQ L/ IIQ S / Jpeg	None
IQ4 100MP Trichromatic	11.2.1	DB or Pro	Yes/Yes	IIQ 16bit/ IIQ L/ IIQ S / Jpeg	None
IQ3 100MP Trichromatic	10.2.0	DB or Pro	Yes/Yes	IIQ 16bit/ IIQ L/ IIQ S	None
IQ3 100MP	9.0.2	DB or Pro	Yes/Yes	IIQ 16bit/ IIQ L/ IIQ S	None
IQ3 100MP Achromatic	10.1.1	DB or Pro	Yes/Yes	IIQ 16bit/ IIQ L/ IIQ S	None
IQ3 80MP	8.3.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ3 60MP	8.3.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ3 50MP	8.3.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ280	7.2.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ260	7.2.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ260 Achromatic	7.2.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	No Live view
IQ250	7.2.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ1 100MP	9.3.0	DB or Pro	Yes/Yes	IIQ 16bit/ IIQ L/ IIQ S	None
IQ180	6.4.5	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ160	6.4.5	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ160 Achromatic	7.2.4	DB or Pro	Yes/No	IIQ L/IIQ S	No Live view
IQ150	8.3.4	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
IQ140	6.4.5	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
P65+	4.8.3	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
P40+	4.8.3	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
P45+	3.7.9	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
P30+	3.7.9	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
P25+	3.7.9	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
P21+	3.7.9	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
P20+	3.7.9	DB or Pro	Yes/Yes	IIQ L/IIQ S	None
Achromatic+	5.2.1	DB or Pro	Yes/No	IIQ L/IIQ S	No Live view
P45	3.7.9	DB or Pro	Yes/Yes*	IIQ L/IIQ S	Live view upgrade required
P30	3.7.9	DB or Pro	Yes/Yes*	IIQ L/IIQ S	Live view upgrade required
P25	3.7.9	DB or Pro	Yes/No	IIQ L/IIQ S/ Uncompressed	None
P21	3.7.9	DB or Pro	Yes/Yes*	IIQ L/IIQ S	Live view upgrade required
P20	3.7.9	DB or Pro	Yes/No	IIQ L/IIQ S/ Uncompressed	None
H 25	3.7.9	DB or Pro	Yes/No	IIQ/TIF Uncompressed	None
H 20	3.7.9	DB or Pro	Yes/No	IIQ/TIF Uncompressed	None
H 101	3.7.9	DB or Pro	Yes/No	IIQ/TIF Uncompressed	None
H 10	3.7.9	DB or Pro	Yes/No	IIQ/TIF Uncompressed	None
H 5	3.7.9	DB or Pro	Yes/No	IIQ/TIF Uncompressed	None
LightPhase	3.7.9	DB or Pro	Yes/No	IIQ/TIF Uncompressed	None

Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
iXM-RS150F	11.3	DB or Pro	IIQ 16bit/ IIQ L/ IIQ S	Yes/Yes	None
iXM-100	11.2	DB or Pro	IIQ 16bit/ IIQ L/ IIQ S	Yes/Yes	None
iXG-100MP	10.1.1	DB or Pro	IIQ 16bit/ IIQ L/ IIQ S	Yes/Yes	None
iXG-100MP Achro	10.2.0	DB or Pro	IIQ 16bit/ IIQ L/ IIQ S	Yes/Yes	None
iXG-50MP	10.2.0	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
iXU-1000 Achro	10.2.0	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
iXU-RS1000	9.3.0	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
iXU-RS1000 Achro	10.2.0	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
iXU-RS180	9.3.0	DB or Pro	IIQ L/IIQ S	Yes/No	No live view
iXU-RS160 Achromatic	9.3.0	DB or Pro	IIQ L/IIQ S	Yes/No	No live view
iXU-RS160	9.3.0	DB or Pro	IIQ L/IIQ S	Yes/No	No live view
iXU-1000	9.3.0	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
iXU150	8.3.4	DB or Pro	IIQ L/IIQ S	Yes/Yes	None

Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
Credo 80	6.4.5	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
Credo 60	6.4.5	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
Credo 50	7.2.4	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
Credo 40	6.4.5	DB or Pro	IIQ L/IIQ S	Yes/Yes	None
Aptus-II 12R	6.4.5	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus-II 12	6.4.5	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus-II 10R	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus-II 10	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus-II 8	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus-II 7	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus-II 6	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus-II 5	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
AFi-II 12	6.4.5	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
AFi-II 10	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
AFi-II 7	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
AFi-II 6	5.2.1	DB or Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered



# Leaf and Mamiya Legacy

Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
Aptus 75S	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus 65S	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus 54S	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
AFi 7	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
AFi 6	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
AFi 5	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus 75	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus 65	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus 22	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
Aptus 17	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered

Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
DM56	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
DM40	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
DM33	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
DM28	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
DM22	5.2.1	Pro	MOS compressed/uncompressed	Yes/Yes	Only compressed when tethered
M31	4.8.3	DB or Pro	IIQ L/IIQ S	Yes/No	None
M22	4.8.3	DB or Pro	IIQ L/IIQ S	Yes/No	None
M18	4.8.3	DB or Pro	IIQ L/IIQ S	Yes/No	None

Model	Version Added	Required Run Modes	File support	Tethered/Live View	Notes
MZD	4.8.3	Pro	MEF	No/No	None
ZD back	4.8.3	Pro	MEF	No/No	None

Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
GFX 50R	12.0	Express Fuji/Pro Fuji/Pro	RAF	Yes/Yes*	Pro Fuji/Pro required for tethering + Live View. Xtrans to DNG not supported
GFX 50S	11.3	Express Fuji/Pro Fuji/Pro	RAF	Yes/Yes*	Pro Fuji/Pro required for tethering + Live View. Xtrans to DNG not supported
X-Pro2	9.1.1	Express Fuji/Pro Fuji/Pro	RAF	Yes/Yes*	Pro Fuji/Pro required for tethering + Live View. Xtrans to DNG not supported
X-Pro1	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-H1	11.1.0	Express Fuji/Pro Fuji/Pro	RAF	Yes/Yes*	Pro Fuji/Pro required for tethering + Live View. Xtrans to DNG not supported
X-T3	11.3	Express Fuji/Pro Fuji/Pro	RAF	Yes/Yes*	Pro Fuji/Pro required for tethering + Live View. Xtrans to DNG not supported
X-T2	9.3.0	Express Fuji/Pro Fuji/Pro	RAF	Yes/Yes*	Pro Fuji/Pro required for tethering + Live View
X-T1	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	Yes/No*	Pro Fuji/Pro required for tethering. Live View + Xtrans to DNG not supported
X100F	10.0.2	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X100T	8.3.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X100S	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X100	6.4.5	Express Fuji/Pro Fuji/Pro	RAF	No/No	None
X-T100	11.3	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-T20	10.1.0	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-T10	11.3	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-A20	11.3	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-A10	10.1.0	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
XT10	8.3.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X10	6.4.5	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
XQ2	10.1.0	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
XQ1	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-A5	11.3	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-A3	10.0.2	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-A2	8.3.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-A1	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-M1	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-S1	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-E3	11.0.1	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-E2s	9.3.0	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-E2	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X-E1	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
XF10	11.3	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
XF1	8.3.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X70	9.3.0	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X30	8.3.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
X20	7.2.4	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
S5 Pro	3.7.9	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
S3 Pro	3.7.9	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported
S2 Pro	3.7.9	Express Fuji/Pro Fuji/Pro	RAF	No/No	Xtrans to DNG not supported

Model	Version Added	Required run modes	File Support	Tethered/Live View	Notes
a9	10.1.0	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a7R III	10.2.1	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a7R II	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a7R	7.2.4	Express Sony/Pro Sony/Pro	ARW	Yes*/No*	Pro Sony/Pro required for tethering
a7S II	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a7S	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a7 III	11.1.0	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a7 II	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a7	7.2.4	Express Sony/Pro Sony/Pro	ARW	Yes*/No*	Pro Sony/Pro required for tethering
a6500	10.0.0	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a6300	9.1.0	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a6000	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/No*	Pro Sony/Pro required for tethering
a5100	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/No*	Pro (for Sony)/Pro required for tethering
a5000	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/No*	Pro Sony/Pro required for tethering
a3500	10.0.0	Express Sony/Pro Sony/Pro	ARW	No/No	None
a3000	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-7	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-6	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-5T	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-5R	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-5N	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-5	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-3N	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-F3	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-C3	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-3	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-VG900	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-VG30	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
NEX-VG20	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a99 II	10.0	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a99	7.2.4	Express Sony/Pro Sony/Pro	ARW	Yes*/No*	Pro Sony/Pro required for tethering
a77 II	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a77	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a68	9.1.0	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
a65	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a58	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a57	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a55	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None



Model	Version Added	Required run modes	File Support	Tethered/Live View	Notes
a37	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a35	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
a33	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
a900	4.8.3	Express Sony/Pro Sony/Pro	ARW	No/No	None
a850	5.2.1	Express Sony/Pro Sony/Pro	ARW	No/No	None
a700	4.8.3	Express Sony/Pro Sony/Pro	ARW	No/No	None
a580	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
a560	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a550	5.2.1	Express Sony/Pro Sony/Pro	ARW	No/No	None
a500	5.2.1	Express Sony/Pro Sony/Pro	ARW	No/No	None
a450	6.4.5	Express Sony/Pro Sony/Pro	ARW	No/No	None
a390	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a380	5.2.1	Express Sony/Pro Sony/Pro	ARW	No/No	None
a350	4.8.3	Express Sony/Pro Sony/Pro	ARW	No/No	None
a330	5.2.1	Express Sony/Pro Sony/Pro	ARW	No/No	None
a300	4.8.3	Express Sony/Pro Sony/Pro	ARW	No/No	None
a290	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
a230	5.2.1	Express Sony/Pro Sony/Pro	ARW	No/No	None
a200	4.8.3	Express Sony/Pro Sony/Pro	ARW	No/No	None
a100	3.7.9	Express Sony/Pro Sony/Pro	ARW	No/No	None
QX-1	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX1RM2	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
RX1R	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX1	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX10M4	10.2.1	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
RX10M3	9.1.1	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
RX10M2	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
RX10	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX100M6	11.3	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX100M5a	11.3	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX100M5	10.0.0	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
RX100M4	8.3.4	Express Sony/Pro Sony/Pro	ARW	Yes*/Yes*	Pro Sony/Pro required for tethering + Live View
RX100M3	8.3.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX100M2	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
RX100	7.2.4	Express Sony/Pro Sony/Pro	ARW	No/No	None
R1	3.7.9	Express Sony/Pro Sony/Pro	SR2	No/No	None
RX0	10.2.1	Express Sony/Pro Sony/Pro	ARW	No/No	None

Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
EOS R	12.0.0	Pro	CR3	Yes/Yes	None
1D C	7.2.4	Pro	CR2	Yes/Yes	None
1D X Mark II	9.1.2	Pro	CR2	Yes/Yes	Face detection Auto focus not supported in Live View
1D X	6.4.5	Pro	CR2	Yes/Yes	None
1D Mark IV	5.2.1	Pro	CR2	Yes/Yes	None
1Ds Mark III	3.7.9	Pro	CR2	Yes/Yes	None
1D Mark III	3.7.9	Pro	CR2	Yes/Yes	None
1D Mark II N	3.7.9	Pro	CR2	No/No	None
1Ds Mark II	3.7.9	Pro	CR2	No/No	None
1D Mark II	3.7.9	Pro	CR2	No/No	None
1Ds	3.7.9	Pro	CR2	No/No	None
1D	3.7.9	Pro	CR2	No/No	None
5DS	9.3.0	Pro	CR2	Yes/Yes	None
5DS R	9.3.0	Pro	CR2	Yes/Yes	None
5D Mark IV	9.3.0	Pro	CR2	Yes/Yes	Dual pixel AF adjustment not supported
5D Mark III	6.4.5	Pro	CR2	Yes/Yes	None
5D Mark II	4.8.3	Pro	CR2	Yes/Yes	None
5D	3.7.9	Pro	CR2	No/No	None
6D Mark II	10.2.0	Pro	CR2	Yes/Yes	None
6D	7.2.4	Pro	CR2	Yes/Yes	None
7D Mark II	8.3.4	Pro	CR2	Yes/Yes	None
7D	5.2.1	Pro	CR2	Yes/Yes	None
80D	9.1.2	Pro	CR2	Yes/Yes	mRAW not supported
77D	10.2.0	Pro	CR2	Yes/Yes	None
70D	7.2.4	Pro	CR2	Yes/Yes	None
60D	7.2.4	Pro	CR2	Yes/Yes	None
50D	7.2.4	Pro	CR2	Yes/Yes	None
40D	3.7.9	Pro	CR2	Yes/Yes	None
30D	3.7.9	Pro	CR2	No/No	None
20D	3.7.9	Pro	CR2	No/No	None
10D	3.7.9	Pro	CRW	No/No	None
800D/Rebel T7i	10.2	Pro	CR2	Yes/Yes	None
760D/Rebel T6s	8.3.4	Pro	CR2	Yes/Yes	None
750D/Rebel T6i	8.3.4	Pro	CR2	Yes/Yes	None
700D/Rebel T5i	7.2.4	Pro	CR2	Yes/Yes	None
650D/Rebel T4i	7.2.4	Pro	CR2	Yes/Yes	None



Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
600D/Rebel T3i	6.4.5	Pro	CR2	Yes/Yes	None
550D/Rebel T2i	5.2.1	Pro	CR2	Yes/Yes	None
500D/Rebel T1i	4.8.3	Pro	CR2	Yes/Yes	None
450D/Rebel XSi	4.8.3	Pro	CR2	Yes/Yes	None
400D/Rebel XTi	3.7.9	Pro	CR2	No/No	None
350D/Rebel XT	3.7.9	Pro	CR2	No/No	None
300D/Rebel	3.7.9	Pro	CRW	No/No	None
200D/Rebel SL2	10.2.0	Pro	CR2	No/No	None
4000D	11.2	Pro	CR2	Yes/Yes	None
2000D	11.2	Pro	CR2	Yes/Yes	None
1300D	9.1.2	Pro	CR2	Yes/Yes	None
1200D/Rebel T5	7.2.4	Pro	CR2	Yes/Yes	None
1100D/Rebel T3	7.2.4	Pro	CR2	Yes/Yes	None
1000D/Rebel XS	4.8.3	Pro	CR2	Yes/Yes	None
100D/Rebel SL1	7.2.4	Pro	CR2	Yes/Yes	None
D60	3.7.9	Pro	CRW	No/No	None
D30	3.7.9	Pro	CRW	No/No	None
M50	12.0.0	Pro	CR3	No/No	None
M10	9.2.0	Pro	CR2	No/No	None
M6	10.2.0	Pro	CR2	No/No	None
M5	10.0.2	Pro	CR2	No/No	None
M3	8.3.4	Pro	CR2	No/No	None
M	7.2.4	Pro	CR2	No/No	None
Pro 1	3.7.9	Pro	CRW	No/No	None
G7X mk II	9.2.0	Pro	CR2	No/No	None
G7X	8.3.4	Pro	CR2	No/No	None
G1X mk II	7.2.4	Pro	CR2	No/No	None
G1X	6.4.5	Pro	CR2	No/No	None
G16	9.3.0	Pro	CR2	No/No	None
G15	8.3.4	Pro	CR2	No/No	None
G12	6.4.5	Pro	CR2	No/No	None
G11	5.2.1	Pro	CR2	No/No	None
G10	4.8.3	Pro	CR2	No/No	None
G9X	9.2.0	Pro	CR2	No/No	None
G9	3.7.9	Pro	CR2	No/No	None
G6	3.7.9	Pro	CRW	No/No	None
G5X	9.2.0	Pro	CR2	No/No	None
G5	3.7.9	Pro	CRW	No/No	None



Model	Version Added	Required Run Modes	File Support	Tethered/Live View	Notes
G3X	8.3.4	Pro	CR2	No/No	None
G3	3.7.9	Pro	CRW	No/No	None
G2	3.7.9	Pro	CRW	No/No	None
S120	8.3.4	Pro	CR2	No/No	None
S110	9.3.0	Pro	CR2	No/No	None
S100	6.4.5	Pro	CR2	No/No	None
S95	6.4.5	Pro	CR2	No/No	None
S90	6.4.5	Pro	CR2	No/No	None

Model	Version Added	Required run modes	File Support	Tethered/Live View	Notes
Z7	12.0.0	Pro	NEF	Yes/Yes	None
Z6	12.0.0	Pro	NEF	Yes/Yes	None
D5	9.1.1	Pro	NEF	Yes/Yes	12 bit uncompressed supported in 11.1.0 and later
D4s	7.2.4	Pro	NEF	Yes/Yes	RAW-S not supported
D4	6.4.5	Pro	NEF	Yes/Yes	RAW-S not supported
DF	7.2.4	Pro	NEF	Yes/Yes	None
D3s	5.2.1	Pro	NEF	Yes/Yes	None
D3X	4.8.3	Pro	NEF	Yes/Yes	None
D3	3.7.9	Pro	NEF	Yes/Yes	None
D2Xs	3.7.9	Pro	NEF	No/No	None
D2X	3.7.9	Pro	NEF	Yes/No*	Tethered support for Windows only
D2Hs	3.7.9	Pro	NEF	No/No	None
D2H	3.7.9	Pro	NEF	No/No	None
D1X	3.7.9	Pro	NEF	No/No	None
D1H	3.7.9	Pro	NEF	No/No	None
D850	10.2.0	Pro	NEF	Yes/Yes	12 bit uncompressed supported in 11.1.0 and later
D810	7.2.4	Pro	NEF	Yes/Yes	RAW-S not supported
D810A	8.3.4	Pro	NEF	Yes/Yes	RAW-S not supported
D800	6.4.5	Pro	NEF	Yes/Yes	RAW-S not supported
D800E	6.4.5	Pro	NEF	Yes/Yes	RAW-S not supported
D750	8.3.4	Pro	NEF	Yes/Yes	None
D700	4.8.3	Pro	NEF	Yes/Yes	None
D610	7.2.4	Pro	NEF	Yes/Yes	None
D600	7.2.4	Pro	NEF	Yes/Yes	None
D500	9.2.0	Pro	NEF	Yes/Yes	12 bit uncompressed supported in 11.1.0 and later
D300s	5.2.1	Pro	NEF	Yes/Yes	None
D300	3.7.9	Pro	NEF	Yes/Yes	None
D200	3.7.9	Pro	NEF	Yes/No*	Tethered support for Windows only
D100	3.7.9	Pro	NEF	No/No	None
D90	4.8.3	Pro	NEF	Yes/Yes	None
D80	3.7.9	Pro	NEF	Yes/No	None
D70s	3.7.9	Pro	NEF	No/No	None
D70	3.7.9	Pro	NEF	No/No	None
D60	4.8.3	Pro	NEF	Yes/No	None
D50	3.7.9	Pro	NEF	No/No	None
D40X	3.7.9	Pro	NEF	Yes/No	None
D40	3.7.9	Pro	NEF	Yes/No	None





Model	Version Added	Required run modes	File Support	Tethered/Live View	Notes
D7500	10.2.0	Pro	NEF	Yes/Yes	None
D7200	8.3.4	Pro	NEF	Yes/Yes	None
D7100	7.2.4	Pro	NEF	Yes/Yes	None
D7000	6.4.5	Pro	NEF	Yes/Yes	None
D5600	10.1.0	Pro	NEF	Yes/Yes	None
D5500	8.3.4	Pro	NEF	Yes/Yes	None
D5300	7.2.4	Pro	NEF	Yes/Yes	None
D5200	7.2.4	Pro	NEF	Yes/Yes	None
D5100	6.4.5	Pro	NEF	Yes/Yes	None
D5000	5.2.1	Pro	NEF	Yes/Yes	None
D3400	10.1.0	Pro	NEF	No/No	None
D3300	8.3.4	Pro	NEF	No/No	None
D3200	7.2.4	Pro	NEF	No/No	None
D3100	6.4.5	Pro	NEF	No/No	None
D3000	5.2.1	Pro	NEF	No/No	None
P330	7.2.4	Pro	NEF	No/No	None
P340	8.3.4	Pro	NEF	No/No	None
P7800	7.2.4	Pro	NEF	No/No	None
P7700	7.2.4	Pro	NEF	No/No	None
P7100	6.4.5	Pro	NEF	No/No	None
P7000	6.4.5	Pro	NEF	No/No	None
P6000	5.2.1	Pro	NEF	No/No	None
1 AW1	7.2.4	Pro	NEF	No/No	None
J5	10.0.2	Pro	NEF	No/No	None
J4	8.3.4	Pro	NEF	No/No	None
J3	7.2.4	Pro	NEF	No/No	None
J2	7.2.4	Pro	NEF	No/No	None
J1	6.4.5	Pro	NEF	No/No	None
V3	9.3.0	Pro	NEF	No/No	None
V2	7.2.4	Pro	NEF	No/No	None
V1	6.4.5	Pro	NEF	No/No	None
S1	7.2.4	Pro	NEF	No/No	None
Coolpix A	7.2.4	Pro	NEF	No/No	None



Model	Version Added	Required Run Modes	File Support	Tethered/Live view	Notes
Leica SL	9.1.0	Pro	DNG native	No/No	None
M (Typ 262)	11.1.1	Pro	DNG native	No/No	None
M (Typ 240)	7.2.4	Pro	DNG native	No/No	None
M-E (Typ 220)	7.2.4	Pro	DNG native	No/No	None
M Monochrome (Typ 246)	10.2.0	Pro	DNG native	No/No	None
M-Monochrom	7.2.4	Pro	DNG native	No/No	None
Leica M10	10.2.0	Pro	DNG native	No/No	None
Leica M9	4.8.3	Pro	DNG native	No/No	None
Leica M8	3.7.9	Pro	DNG native	No/No	None
Leica M-P	10.2.0	Pro	DNG native	No/No	None
CL	11.1.0	Pro	DNG native	No/No	None
TL2	11.1.0	Pro	DNG native	No/No	None
Q (Typ 116)	8.3.4	Pro	DNG native	No/No	None
C (Typ 112)	8.3.4	Pro	RWL	No/No	None
X-U	11.1.0	Pro	DNG native	No/No	None
X (Typ 113)	8.3.4	Pro	DNG native	No/No	None
X Vario	7.2.4	Pro	DNG native	No/No	None
X2	7.2.4	Pro	DNG native	No/No	None
X1	5.2.1	Pro	DNG native	No/No	None
T (Typ 701)	8.3.4	Pro	DNG native	No/No	None
V-Lux (Typ 114)	11.1.0	Pro	DNG native	No/No	None
V-Lux 4	7.2.4	Pro	RWL	No/No	None
D-Lux (Typ 109)	8.3.4	Pro	RWL	No/No	None
D-Lux 6	7.2.4	Pro	RWL	No/No	None
D-Lux 5	6.4.5	Pro	RWL	No/No	None
D-Lux 4	5.2.1	Pro	RW2	No/No	None
Digilux 3	3.7.9	Pro	RAW	No/No	None
Digital Module R	3.7.9	Pro	RAW	No/No	None

Model	Version Added	Required run modes	File Support	Tethered Support	Notes
E-M1 mkII	10.0.0	Pro	ORF	No/No	None
E-M1	8.3.4	Pro	ORF	No/No	None
E-1	3.7.9	Pro	ORF	No/No	None
E-M5 II	8.3.4	Pro	ORF	No/No	High res mode not supported
E-M5	7.2.4	Pro	ORF	No/No	None
E-M10 Mk III	11.1.0	Pro	ORF	No/No	None
E-M10 Mk II	9.1.0	Pro	ORF	No/No	None
E-M10	7.2.4	Pro	ORF	No/No	None
Pen-F	9.1.0	Pro	ORF	No/No	Pixel shift mode not supported
E-PL9	11.1.0	Pro	ORF	No/No	None
E-PL7	8.3.4	Pro	ORF	No/No	None
E-PL6	10.0.2	Pro	ORF	No/No	None
E-PL5	7.2.4	Pro	ORF	No/No	None
E-PL3	6.4.5	Pro	ORF	No/No	None
E-PL2	6.4.5	Pro	ORF	No/No	None
E-PL1	5.2.1	Pro	ORF	No/No	None
E-PM2	7.2.4	Pro	ORF	No/No	None
E-PM1	6.4.5	Pro	ORF	No/No	None
E-P5	7.2.4	Pro	ORF	No/No	None
E-P3	6.4.5	Pro	ORF	No/No	None
E-P2	5.2.1	Pro	ORF	No/No	None
E-P1	5.2.1	Pro	ORF	No/No	None
E-5	6.4.5	Pro	ORF	No/No	None
E-3	3.7.9	Pro	ORF	No/No	None
E-620	4.8.3	Pro	ORF	No/No	None
E-520	4.8.3	Pro	ORF	No/No	None
E-510	3.7.9	Pro	ORF	No/No	None
E-500	3.7.9	Pro	ORF	No/No	None
E-450	5.2.1	Pro	ORF	No/No	None
E-420	4.8.3	Pro	ORF	No/No	None
E-410	3.7.9	Pro	ORF	No/No	None
E-400	3.7.9	Pro	ORF	No/No	None
E-330	3.7.9	Pro	ORF	No/No	None
E-300	3.7.9	Pro	ORF	No/No	None
E-30	4.8.3	Pro	ORF	No/No	None
E-20	3.7.9	Pro	ORF	No/No	None
E-10	3.7.9	Pro	ORF	No/No	None



Model	Version Added	Required run modes	File Support	Tethered Support	Notes
C-7070	3.7.9	Pro	ORF	No/No	None
C-8080	3.7.9	Pro	ORF	No/No	None
Stylus 1	7.2.4	Pro	ORF	No/No	None
TG-5	10.2.0	Pro	ORF	No/No	None
TG-4	8.3.4	Pro	ORF	No/No	None
XZ-2 iHS	7.2.4	Pro	ORF	No/No	None
XZ-1	6.4.5	Pro	ORF	No/No	None
XZ-10	7.2.4	Pro	ORF	No/No	None

Model	Version added	Required run modes	File Support	Tethered Support	Notes
GR II	9.1.0	Pro	DNG native	No/No	None
GR	7.2.4	Pro	DNG native	No/No	None
GR DIGITAL IV	6.4.5	Pro	DNG native	No/No	None
GR DIGITAL III	6.4.5	Pro	DNG native	No/No	None
GR DIGITAL II	6.4.5	Pro	DNG native	No/No	None
GR DIGITAL	6.4.5	Pro	DNG native	No/No	None
GX200	6.4.5	Pro	DNG native	No/No	None
GX100	6.4.5	Pro	DNG native	No/No	None
GXR A16	7.2.4	Pro	DNG native	No/No	None
GXR A12	6.4.5	Pro	DNG native	No/No	None
GRX S10	6.4.5	Pro	DNG native	No/No	None
GXR P10	6.4.5	Pro	DNG native	No/No	None

Model	Version Added	Required run modes	File Support	Tethered Support	Notes
GX9 / GX7 Mk III	11.2	Pro	RW2	No/No	None
GX8	8.3.4	Pro	RW2	No/No	None
GX80	9.3.0	Pro	RW2	No/No	None
GX85	9.3.0	Pro	RW2	No/No	None
GX7 Mk II	10.0	Pro	RW2	No/No	None
GX7	7.2.4	Pro	RW2	No/No	None
GX1	6.4.5	Pro	RW2	No/No	None
GF7	8.3.4	Pro	RW2	No/No	None
GF6	7.2.4	Pro	RW2	No/No	None
GF5	7.2.4	Pro	RW2	No/No	None
GF3	6.4.5	Pro	RW2	No/No	None
GF2	6.4.5	Pro	RW2	No/No	None
GF1	5.2.1	Pro	RW2	No/No	None
GM5	8.3.4	Pro	RW2	No/No	None
GM1	8.3.4	Pro	RW2	No/No	None
GH5S	11.1.0	Pro	RW2	No/No	None
GH5	10.1.0	Pro	RW2	No/No	None
GH4	7.2.4	Pro	RW2	No/No	None
GH3	7.2.4	Pro	RW2	No/No	None
GH2	6.4.5	Pro	RW2	No/No	None
GH1	5.2.1	Pro	RW2	No/No	None
G9	11.1.0	Pro	RW2	No/No	None
G8/G80/G81/G85	10.0.2	Pro	RW2	No/No	None
G7/ DMC-G70	9.1.2	Pro	RW2	No/No	None
G6	7.2.4	Pro	RW2	No/No	None
G5	7.2.4	Pro	RW2	No/No	None
G3	6.4.5	Pro	RW2	No/No	None
G2	6.4.5	Pro	RW2	No/No	None
G1	5.2.1	Pro	RW2	No/No	None
G10	6.4.5	Pro	RW2	No/No	None
TZ85/ZS60/TZ80	10.1.0	Pro	RW2	No/No	None
TZ200/202/220	11.2	Pro	RW2	No/No	None
ZS200/ZS220/TX2	11.2	Pro	RW2	No/No	None
TZ100/ZS100/TZ101	10.1.0	Pro	RW2	No/No	None
FZ2000/FZH1	10.1.0	Pro	RW2	No/No	None
LX100	8.3.4	Pro	RW2	No/No	None
LX9/LX10/LX15	10.0.2	Pro	RW2	No/No	None



Model	Version Added	Required run modes	File Support	Tethered Support	Notes
LX7	7.2.4	Pro	RW2	No/No	None
LX5	6.4.5	Pro	RW2	No/No	None
LX3	6.4.5	Pro	RW2	No/No	None
FZ72	7.2.4	Pro	RW2	No/No	None
FZ45	6.4.5	Pro	RW2	No/No	None
FZ200	7.2.4	Pro	RW2	No/No	None
FZ150	7.2.4	Pro	RW2	No/No	None
FZ1000	8.3.4	Pro	RW2	No/No	None
FZ100	6.4.5	Pro	RW2	No/No	None
LF1	7.2.4	Pro	RW2	No/No	None

Model	Version Added	Required run modes	File Support	Tethered Support	Notes
K-1	9.2.0	Pro		No/No	None
K-01	7.2.4	Pro		No/No	None
K-30	7.2.4	Pro		No/No	None
K-3 II	8.3.4	Pro		No/No	None
K-3	7.2.4	Pro	PEF	No/No	PEF only
K-5 IIs	7.2.4	Pro		No/No	None
K-5 II	7.2.4	Pro		No/No	None
K-5	6.4.5	Pro		No/No	None
KP	10.1.0	Pro		No/No	None
K-70	10.1.0	Pro		No/No	None
K50	7.2.4	Pro		No/No	None
K-S2	9.1.0	Pro		No/No	None
K-r	6.4.5	Pro		No/No	None
K110D	4.8.3	Pro		No/No	None
K20D	4.8.3	Pro		No/No	None
K10D	3.7.9	Pro		No/No	None
K7	5.2.1	Pro		No/No	None
KX	5.2.1	Pro		No/No	None
K200D	4.8.3	Pro		No/No	None
K100D Super	4.8.3	Pro		No/No	None
K100D	4.8.3	Pro		No/No	None
K2000/K-m	4.8.3	Pro		No/No	None
MX-1	7.2.4	Pro		No/No	None
*istD	3.7.9	Pro		No/No	None
*istDL2	3.7.9	Pro		No/No	None
*istDL	3.7.9	Pro		No/No	None
*istDS2	3.7.9	Pro		No/No	None
*istDS	3.7.9	Pro		No/No	None
Q10	7.2.4	Pro		No/No	None
Q7	7.2.4	Pro		No/No	(FW 1.0.0 Only)
Q	6.4.5	Pro	PEF	No/No	PEF only





Samsung

Model	Version Added	Required run modes	File Support	Tethered Support	Notes
NX1	8.3.4	Pro	SRW	No/No	None
NX11	6.4.5	Pro	SRW	No/No	None
NX3000	8.3.4	Pro	SRW	No/No	None
NX2000	8.3.4	Pro	SRW	No/No	None
NX30	8.3.4	Pro	SRW	No/No	None
NX20	6.4.5	Pro	SRW	No/No	None
NX10	6.4.5	Pro	SRW	No/No	None
NX5	6.4.5	Pro	SRW	No/No	None
NXMini	8.3.4	Pro	SRW	No/No	None
NX300	7.2.4	Pro	SRW	No/No	None
NX210	6.4.5	Pro	SRW	No/No	None
NX200	6.4.5	Pro	SRW	No/No	None
NX100	6.4.5	Pro	SRW	No/No	None
NX1000	6.4.5	Pro	SRW	No/No	None
EX2F	6.4.5	Pro	SRW	No/No	None



Konica Minolta

Model	Version Added	Required run modes	File Support	Tethered Support	Notes
Alpha 5 D	3.7.9	Pro	MRW	No/No	None
Alpha 7 D	3.7.9	Pro	MRW	No/No	None
A1	3.7.9	Pro	MRW	No/No	None
A2	3.7.9	Pro	MRW	No/No	None

Other

Model	Version Added	Required run modes	File Support	Tethered Support	Notes
Cinema DNG	7.2.4	Pro	N/A	N/A	None
Linear DNG	7.2.4	Pro	N/A	N/A	None
DNG 1.4	8.3.4	Pro	N/A	N/A	None
Epson RD1	3.7.9	Pro	DNG	No/No	None
Epson RD1s	3.7.9	Pro	DNG	No/No	None
DxO One	9.0.1	Pro	DNG	No/No	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

## 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

## 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

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

### Schneider Kreuznach

Schneider RS 120mm iXG
Schneider RS 72mm iXG
Schneider Kreuznach RS-110mm/Aerial
Schneider Kreuznach RS-150mm/Aerial

### Phase One

RSM Lens 150mmAF f/5.6
RSM Lens 80mmAF f/5.6
RSM Lens 80mm f/5.6
RSM Lens 35mm f/5.6

# 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

# Fuji Lens Profiles

## Fujifilm

Fujifilm GF45mm F2.8 R WR

Fujifilm GF250mmF4 R LM OIS WR

Fujifilm GF120mm F4 Macro R LM OIS WR

Fujifilm GF63mm F2.8 R WR

Fujifilm GF23mm F4 R LM WR

Fujifilm GF32-64mm F4 R LM WR

Fujifilm GF 110mm F2 R LM WR

# Sony Lens Profiles

## Sony (E- Mount)

FE 24-70mm F2.8 GM (SEL2470GM)

FE 85mm F1.8 (SEL85F18)

FE 24-105mm F4 G OSS (SEL24105G)

FE 100mm F2.8 STF GM OSS (SEL100STFGM)

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\* FE 16-35 mm F4 ZA OSS (SEL1635Z)

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 12-24mm f4 G (SEL1224G)

FE 16-35mm f2.8 GM (SEL1635GM)

FE 24-240 F3.5-6.3 OSS (SEL24240)

FE 28mm F2 (SEL28F20)

FE 28mm F2 (SEL28F20) + Ultra wide converter (SEL075UWC)

FE 28mm F2 (SEL28F20) + Fisheye converter (SEL057FEC)

FE 28-70mm F3.5-5.6 OSS (SEL2870)

FE 35 mm F1.4 ZA (SEL35F14Z)

FE 50mm F1.8 (SEL50F18F)

FE 50mm F2.8 Macro (SEL50M28)

FE 100-400mm f/4.5-5.6 GM OSS (SEL100400GM)

## Sony (E- Mount)

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 18-135mm f/3.5-5.6 OSS (SEL18135)

E 18-200mm F3.5-6.3 OSS (SEL18200)

E 18-200 mm F3.5-6.3 OSS LE (SEL18200LE)

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 Lens Profiles

## Sony (A-Mount)

70-200mm F2.8 G SSM II (SAL70200G2)

70-200mm F2.8 G (SAL70200G)

300mm F2.8 G SSM II (SAL300F28G2)

400mm F2.8 G Master OSS Super-Telephoto (SEL400F28GM)

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 DT 16-80 mm F3.5-4.5 ZA (SAL1680Z)

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)

DT 55-200mm F4-5.6 (SAL55200)

DT 55-200mm F4-5.6 SAM (SAL55200-2)

28-75mm F2.8 SAM (SAL2875)

135mm F2.8 [T4.5] STF (SAL135F28)

## Zeiss

Zeiss Batis 2.8/18

Zeiss Batis 2/25

Zeiss Batis 1.8/85

Zeiss Batis 2.8/135

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

Zeiss Loxia 2.4/85

## Sigma

30mm F2.8 EX DN

60mm F2.8 DN A

# Canon Lens Profiles

## Canon EF

EF 11-24mm f/4L USM

EF 14mm f/2.8 II USM

EF 16-35mm f/2.8L II USM

EF 16-35mm f/2.8L III USM

EF 16-35mm f/4L IS 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 24-105mm f4-5.6 IS STM

EF 24-105mm f4-5.6 IS II USM

EF 24mm /1.4L II USM

EF 28mm f/2.8 IS 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 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/1.4 L 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 100-400mm f4.5-5.6L IS II 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

## Canon EF-S

EF-S 24mm f2.8 STM

EF-S 10-22mm f/3.5-4.5 USM

EF-S 15-85mm f/3.5-5.6 IS USM

EF-S 17-55mm f/2.8 IS USM

EF-S 17-85mm f/4-5.6 IS USM

EF-S 18-55mm f4-5.6 IS STM

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

EF-M15-45mm f/3.5-6.3 IS STM

## Canon RF

RF 50mm f/1.2L USM

# Canon Lens Profiles

## Sigma (Canon EF)

Sigma 24-35mm F2 DG HSM | A

Sigma 50mm F1.4 DG HSM | A

Sigma 18-300mm F3.5-6.3 DC MACRO OS HSM | C #886

Sigma 50-100mm F1.8 DC HSM | Art #693

Sigma 85mm F1.4 DG HSM | A #321

## Zeiss (Canon EF)

Zeiss Otus 1.4/28

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 15-30mm F/2.8 Di VC USD

SP 24-70mm F/2.8 Di VC USD

SP 24-70mm F/2.8 Di VC USD A007

SP 150-600mm F/5-6.3 Di VC USD

SP 150-600mm F/5-6.3 Di VC USD G2

16-300mm F/3.5-6.3 Di II VC PZD MACRO B016

28-300mm F/3.5-6.3 Di VC PZD A010

SP 35mm F/1.8 Di VC USD F012

SP 70-200mm F/2.8 Di VC USD G2 A025

SP 90mm F/2.8 Di MACRO 1:1 VC USD F017

## 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



# 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 28mm f2.8ED  
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 35mm f/1.8G ED  
AF-S NIKKOR 50mm f/1.4G  
AF-S NIKKOR 50mm f/1.8G  
AF-S NIKKOR 58 mm 1.4G  
AF-S NIKKOR 70-200mm f/2.8E FL ED VR  
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

## Nikon

AF-S NIKKOR 105mm f/1.4E ED  
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  
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  
AF-P DX NIKKOR 70-300mm f/4.5-6.3G ED VR  
1 Nikkor VR 6.7-13 mm F/3.5-5.6

## Sigma (Nikon F)

19mm f2.8 EX DN  
20mm F1.8 EX DG ASP RF  
24mm F1.4 DG HSM | A  
Sigma 24mm F1.4 DG HSM | A #401  
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

# Nikon Lens Profiles

## Carl Zeiss (Nikon F)

Otus 55mm f1.4

Otus 85mm f1.4

Zeiss Milvus 2.8/15

Zeiss Milvus 2.8/18

Zeiss Milvus 2/135

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

## Tamron (Nikon F)

16-300mm F/3.5-6.3 Di II VC PZD MACRO B016

28-300mm F/3.5-6.3 Di VC PZD A010

SP 35mm F/1.8 Di VC USD F012

SP 24-70mm F/2.8 Di VC USD A007

SP 70-200mm F/2.8 Di VC USD G2 A025

SP 90mm F/2.8 Di MACRO 1:1 VC USD F017

# Olympus Lens Profiles

## Olympus

M.ZUIKO DIGITAL 17mm 1:2.8 Pancake  
M.ZUIKO DIGITAL ED 17mm f/1.2 PRO  
M.ZUIKO DIGITAL 25mm 1:1.8  
M.ZUIKO DIGITAL 45mm 1:1.8  
M.ZUIKO DIGITAL ED 45mm f/1.2 PRO  
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

## Voigtländer

Voigtländer 10mm/F5.6 Hyper Wide Heliar  
Voigtlander Heliar-Ultra Wide 12mm f/5.6 ASPH  
Voigtländer 15mm/F4.5 Super Wide Heliar III  
Voigtlander Nokton Classic 35mm f/1.4  
Voigtlander Nokton 40mm f/1.2 ASPH  
Voigtlander MACRO APO-LANTHAR 65mm f/2 ASPH  
Voigtländer 17,5 mm/F0,95 Nokton MFT  
Voigtländer 42,5mm/F0,95 Nokton  
Voigtländer 25mm/F0,95 Nokton II  
Voigtländer 10,5 mm/F0,95 Nokton MFT

# Pentax Lens Profiles

## Pentax

SMC-DA 15mm F4 AI Limited  
DA 18-50mm f4-5.6 DC WR RE  
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 12-60mm f/3.5-5.6 ASPH. POWER O.I.S. (H-FS12060)

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

LUMIX G 25mm f/1.7 ASPH (H-H025)

LUMIX G Fisheye 8mm f/3.5 (H-F008)

LUMIX G MACRO 30mm f/2.8 ASPH. MEGA O.I.S. (H-HS030)

LUMIX G X Vario PZ 14-42mm f/3.5-5.6 ASPH Power O.I.S. (H-PS14042)

LUMIX G X Vario PZ 45-175mm f/4.0-5.6 ASPH (H-PS45175)

Leica DG Macro-Elmarit 45mm f/2.8 ASPH MEGA O.I.S. (H-ES045)

Lumix G X Vario 35-100mm F2.8

Leica DG Summilux 12mm f/1.4 ASPH (H-X012)

Leica DG Vario-Elmarit 8-18mm f/2.8-4 ASPH (H-E08018)

LUMIX G Leica DG Nocticron 42.5mm f/1.2 ASPH Power OIS (H-NS043)

LUMIX G Vario 100-300mm f/4-5.6 II POWER O.I.S. (H-FSA1003004A)

LUMIX G Vario 45-200mm f/4-5.6 II POWER O.I.S. (H-FSA45200)

# Leica Lens Profiles

## Leica

Leica Tri-Elmar-M 16-18-21mm f/4 ASPH

Leica Vario Elmar TL 3,5-5,6/18-56 ASPH

Leica Elmarit TL 2,8/18 ASPH

Leica Super-Elmar-M 18mm f3.8 ASPH

Leica Summilux-M 21mm f1.4 ASPH

Leica Elmarit-M 21mm f/2.8 ASPH

Leica Super-Elmar-M 21mm f/3.4 ASPH

Leica Summicron TL 2/23 ASPH

Leica Summilux-M 24mm f/1.4 ASPH

Leica Elmarit-M 24mm f/2.8 ASPH

Leica Elmar-M 24mm f/3.8 ASPH

Leica Summilux-M 28mm f/1.4 ASPH.

Leica Summicron-M 28mm f/2 ASPH.

Leica Summaron-M 28mm f/5.6

Leica Tri-Elmar-M 28-35-50mm f/4 ASPH

Leica Summilux TL 1.4/35 ASPH

Leica Summilux-M 35mm f/1.4 ASPH

Leica Summicron-M 35mm f/2 ASPH

Leica Summarit-M 35mm f/2.4 ASPH

Leica Noctilux-M 50mm f/0.95 ASPH

Leica Noctilux-M 50mm f/1 ASPH

Leica Summilux-M 50mm f/1.4 ASPH

Leica Summicron-M 50mm f.2

Leica APO-Summicron-M 50mm f/2 ASPH

Leica Summarit-M 50mm f/2.4

Leica APO-Summicron-M 75mm f/2 ASPH

Leica Summarit-M 75mm f/2.5

Leica APO-Summicron-M 90mm f/2 ASPH

Leica Summicron M 90mm f2

Leica Summarit-M 90mm f/2.5

Leica Elmarit M 90mm f2.8

Leica Apo-Telyt-M 135mm f3.4 ASPH

# 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