

Version 3.1 – March 2021

User Manual

Note: This manual has been computer translated. I apologize for any errors.

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1. INTRODUCTION

1.1. WHAT IS A7INFO

A7Info is a program to display the metadata contained in the RAW and JPG files of Sony e-mount models.

The goal of the program is to provide the camera user with a quick and comprehensive look at the Exif and MakerNotes information of the image files.

Program functions

- Display of Exif and MakerNotes data, such as information on exposure data, AF settings,
- Lens data (* see appendix), number of releases, etc.
- Display of the autofocus positions in the image
- Display of camera settings as overlay similar to CameraDisplay
- Display of the embedded preview image (RAW) or the entire JPG
- rudimentary display of the whole raw image using LibRaw[©] library or the full JPG image
- RGB distribution of the preview
- Statistical quick overview of aperture values, ISO settings, metering methods, exposure programs and focal lengths
- Further statistics via separate dialog
- Opening the files with external programs
- Printout of the corresponding information
- Tool for calculating the loss of resolution when cropping images (Crop Resolution)

The program is compatible with HiRes displays.

1.2. SUPPORTED CAMERAS

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- Full-frame models Sony A7II, A7III, A7SII, A7SII, A7RII, A7RII, A7RII, A7RIV, A9, A9M2, A7C and A1
- APS-C models A6100, 6400 and 6600

Due to the different features of the cameras, differences in the program functions or displays may occur

1.3. A7INFO IS FREEWARE

You can use the software without having to pay any further fees. If you like the software and find it useful, please consider supporting the further development with a small donation. You would contribute to the maintenance of the website and to cover further costs such as software licenses. You can find a corresponding link on the download page of the program.

If you have any questions or suggestions about the program, please feel free to contact me using the contact information below or the contact form on my website

.1.4. SYSTEM REQUIREMENTS

The program exists exclusively in 64Bit versions for Windows[©], MacOS as well as Linux. The programs were developed and tested under

• Windows 7, 10

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- MacOS (10.6ff incl. 11.x BigSur)
- Linux (Ubuntu 16.04)

The functional scope of the versions is identical

1.5. CONTAKT

Author:

Wolfram Söns Fürstenbergstraße 109 D-50226 Frechen

Up-to-date information about the program and the possibility to contact me are located on my Website <u>https://www.soens.de</u> You can also send me questions and suggestions at any time via my eMail address: <u>wolfram@soens.de</u>

2. DOWNLOAD AND INSTALLATION

The current version of the program can be downloaded from <u>https://www.soens.de/downloads</u>. The file names of the installation programs or downloads are as follows

- Windows: A7InfoSetup.exe
- Mac OSX: A7InfoSetup.dmg
- Linux: A7InfoSetup

All files contain an installer that guides you through the setup of the program. The MacOS file (dmg) must first be opened by double-clicking on it. The setup program is then located in the mounted volume.

The setup is identical for the different platforms. The Windows version additionally generates an entry in the start menu.

2.1. INSTALLATION

The setup is done via a common installation program. Here exemplary in the Windows version.



The 'Next' button is used to perform the installation step by step.

After confirming the license agreement, the program can be installed in any directory can be created. If the directory already exists, a warning message is displayed (see figure). The installation can be then be continued or canceled if desired.

The Windows version requires the runtime library of Microsoft VisualC++, which can be installed subsequently. must be set. This is done automatically via the setup program if required.

After completing the setup, the program can be started.

2.2. DEINSTALLATION

After the installation you will find the application MaintanenceTool in the installation directory, via © 2021 Wolfram Söns

that a complete removal of the program can be performed. Furthermore, the uninstallation of the program under Windows can be done in the usual way via the Control Panel.

Removing program settings:

The program stores information about its settings in the system during runtime. These are located are located in different places depending on the operating system:

- Windows : in the registry under \SOFTWARE\WWS\A7Info....
- MacOS: under /Users/username/Library/Preferences/en.soens.A7Info.plist
- Linux: under \$HOME/.config/WWS/A7Info.conf

The files are not removed during uninstallation. If there are any problems with the last saved settings, it may be necessary to delete these files manually. The program is then reset to the default settings

2.3. UPDATES

The program checks for the presence of new versions on the website on request. (see also Program settings). The new version must be downloaded manually and the setup must be executed again; an automatic update does not take place.

3. USING THE PROGRAMM

3.1. PROGRAM START

The program is started by double-clicking on the program icon in the Explorer or Finder.

The program can also be called from the command line. A directory can be specified as a start parameter. In this case, the directory saved at the last end of the program is overwritten, which would otherwise be opened again at the beginning of the program.

The call from the command line is exemplary in the formWindows:A7Info.exe < mydirectory>MacOS:./A7Info.app/Contents/MacOS/A7Info < myfolder>Linux:./A7Info < mydirectory>

3.2. MAIN WINDOW

After starting the program, the main window of the application will be displayed as shown in the figure below. The display areas outside the central preview image are located in dockable individual windows and can be positioned inside or outside the main window. The changes are saved beyond the end of the program and when the program is restarted restored.



1 – MENU BAR AND TOOLBAR

The functions of the program can be reached via the menu bar or toolbar. They are congruent and can be used alternatively. About the individual functions see point 3.3

2- THUMBNAIL

In the central area of the application, either the preview image contained in the raw file (monitor preview, maximum size 1616*1080) or the original JPG is displayed in reduced size. The display is scaled appropriately within the display area. Zooming in or out of the preview image is not possible.

Since it is always the JPG created in the camera, all the settings selected at the time of capture apply. Thus, even in the case of a RAW file, the image is displayed in the same way as a JPG that may have been created at the same time.

Display in full resolution:

While displaying the preview image, the image can also be displayed in full resolution:

- -by double-clicking on the preview image
- -by selecting the 'View/FullSizeRaw' menu item in the View menu.
- -or the selection of the corresponding icon in the toolbar

The image is opened in a separate window. By means of the scroll wheel of the mouse a display scaling in the range of 5-400% can take place. The initial value of the scaling can be set in the program settings (File/Settings).

Note: The conversion of raw data is done by means of the free decoder 'LibRaw'. It is only rudimentarily implemented in the current program version; the conversion is done with the default settings, adjustments of the image are not possible

3 - SOURCEDIRECTORY WINDOW

As soon as a directory with usable . raw files is selected within the drive and directory display, the contained images are displayed as thumbnail in the lower thumbnail bar (5). The detail display jumps to the first usable image in the directory.

4 -STATISTICS WINDOW

At the same time, an overview of the aperture values used for the exposures is displayed in the statistical data window. Accordingly, in the example directory, four exposures were made with aperture 5.6, three exposures with aperture 4.5, and so on. A mouse click within the display switches to the distribution of the ISO values, the focal length distribution, the exposure program and the measuring method.

With another click, the display starts again at the aperture distribution.

Depending on the amount of raw files contained in a directory, it is recommended for reasons of clarity to detach the statistics window from the main window and then resize it as desired.

When changing the display type between 'Raw only' and all files (File/SettingsGeneral), the statistics are not updated. If necessary, the directory must be selected again.

5 - DIRECTORYCONTENTS(THUMBNAILS)

The currently selected image is highlighted. Moving between images within a selected directory is done by mouse clicks or by using the arrow keys. For this, the focus must be in the thumbnail overview.

6 – STATUS BAR

The file path and name of the currently selected image are displayed along with the date it was taken.

7 – MAIN DATA WINDOW

This window is used to display the essential shooting data: Information about the exposure data and the lens used:

Camera data:

- Internal serial number of the camera
- Firmware version

• - Actuations of the (mechanical) shutter

Exposure data:

- Program mode
- exposure time
- Aperture
- ISO value
- -+/- Correction

Lens data:

- Name of the lens used
- In case of a zoom additionally used focal length (e.g. @200mm)

The area below the shooting data informs about the distribution of the RGB parts in the preview image. By default, the red, green and blue components are displayed overlapping.



By clicking the corresponding buttons (R/G/B) the display can also be done separately.



8 - EXIF AND MAKERNOTES WINDOW

This display area provides a comprehensive view of the metadata contained in the file. This is both the standard EXIF data and the so-called MakerNotes, i.e. additional Sony-specific information.

The display is grouped thematically:

- Camera information about camera model and hardware
- File information about the file; for example, file format and recording date.
- Picture Image related settings like white balance, PictureProfile
- Light&Exposure information about exposure metering, time and corrections
- Lens lens data and corrections
- Autofocus & Drive AF and Focus Modes, Single and Continuous Image Settings
- Miscellaneous
- GPS location coordinates , if GPS data was registered during recording (e.g. via PlayMemories app).

The individual subject areas can be opened or closed separately. The respective state remains when changing an image and also beyond the end of the program. When printing the file summary, the output scope can be limited to the topic areas currently open in the window.

3.3. TOOL BAR

Most of the program functions can be accessed from the menu as well as from the toolbar. The icons in the toolbar correspond to entries in the menus as shown below. The toolbar is movable like all other windows. It can be brought into a vertical display as well as can also be completely detached from the main window.

Note: Various entries, especially those relating to the focus points, cannot be selected if the corresponding function or the data required for it are not available in the image file. This can happen depending on the Camera model / firmware version etc may be different.



- 1 Save Preview = [File] SavePreview
- 2 Print = [File] Print
- 3 Delete = [File] Delete
- 4 Settings = [File] Settings
- 5 Focus Location = [View] Focus Location
- 6 PhaseAF Locations = [View] PhaseAF Location
- 7 TrackingAF Location = [View] TrackingAF Location
- 8 OnScreen Infos = [View] OnScreen Infos
- 9 FullSizeRaw = [View] FullSize Raw
- 10 Statistics = [View] Statistics
- 11 About A7Info = [File] About A7Info
- 12 Quit = [File] Quit

3.4 MENU BAR

Note: The menus of the Windows version are shown. However, the menus differ in details for the various operating systems. For example, the menu item 'Settings' can be found as 'Preferences' in the Mac version. The menu items 'About' and 'Quit' are located at other positions in the menus, as is usual for Macs.



3.4.1.1 SAVEPREVIEW

The currently selected image can be saved via the menu item SavePreviewPictureAs... as a JPG. file in the Size 1616 × 1080 can be saved:



The quality can be preset in the range of 10-100% via the [File]Settings menu item. By default, saving is done at the highest level (100%).

3.4.1.2 PRINT...

Data on the currently displayed image can be printed out in the form of a profile. This includes a thumbnail of the image, the essential camera and exposure information as in the 'Maindata'. window as well as the Exif Maker Notes.



The scope of the printed Exif and MakerNotes information can be limited via [File] Settings .

3.4.1.3 DELETE

One or more currently selected exposures can be deleted via this menu item. Whether an additional confirmation for the deletion should take place can be set via Settings.

3.4.1.4 SETTINGS/PREFERENCES

Various basic settings for the program can be made via the Settings dialog. These Settings are saved when the program is terminated and are available when the program is restarted.

3.4.1.4.1 'GENERAL'

🗰 Settings Dialog			?	×	
င်္လြို General	Updates				
Display			Check on application	start —	Updates - Check on application start
🚀 Programs	Directory Contents				2 Directory Contents - Show .arw only
			Show .arw	only	
	Delete File				
			Confirm 'Move to T	'rash'	3 Delete File - Confirm 'Move to Trash'
	Print				4 Print - Option all Data
		🔘 all Data 🔵 as in 'Exi	if and MakerNotes'-Wir	ndow	
	Save Preview Picture				
			Quality in %: 100	-	5 Preview - Quality
			OK Cance	el	

1 - Updates - Check on application start

Check at program start whether a new program version is available. For this purpose a Online connection exist.

2 - Directory Contents - Show .arw only

Thumbnail display can be limited to . arw files. Other file types will be hidden. If all file types are to be displayed, the display of the Exif data and the program displays next to the raw files exclusively for jpg files created in by the camera. were ('OOC jpg's))

3 - Delete File - Confirm 'Move to Trash'

The deletion of files must be confirmed additionally

4 - Print - Option all Data

When printing, you can choose to print all Exif and MakerNotes or only those that are be in the corresponding 'Exif and MakerNotes' window in the expanded state.

5 - Preview - Quality

For saving the preview picture ([File] SavePreviewPicture) its JPG quality can be set in the Range 10-100% can be preset here.

3.4.1.4.2 'DISPLAY'

🗱 Settings Dialog		? ×	
နိုင္တ်ိန္ General	AF-Symbols		
Display	Color & Transparency for Focus Location		
🧳 Programs	Color & Transparency for PhaseAF-Points		AF-Symbols - Color & Transparencies
	Color & Transparency for Tracking Indicator		
	Color & Transparency for EyeAF Indicator		
	Raw Picture		
	Initial Scale in %:	10 -	2 Raw-Picture InitialScale
	OnScreen Infos		
	Transparency in %	50	3 OnScreenInfos Transparency
	ок	Cancel	

1 - AF-Symbols - Color & Transparencies

For the various focus displays (see menu items under [View]), both color and Transparency can be set. After clicking on the symbol graphic, the setting is made via a corresponding (operating system specific) dialog

2 - Raw Picture InitialScale

It determines in which display size a raw image is initially displayed. After installation of the program, this value is 10%. Depending on the resolution of the camera or the raw files, the value should be adjusted. For the A7RIII, for example, a value of 25-30% is recommended.

3 - OnScreenInfos Transparency

The transparency of the info that can be displayed ([View] OnScreenInfos) can be set here

3.4.1.4.3 'PROGRAMS'

🚺 Settings Dialog		?	×	
දරි General	C:/Program Files/Windows Photo Viewer/ImagingDevices.exe C:/Windows/System32/mspaint.exe		2	
Programs				
				1 Liste
	ок	Can	cel	

1 - Liste

The currently displayed file can be opened for further editing with external programs. The definition in the Settings dialog is used for this purpose. After selecting the 'Add" button an external program via a file dialog. Under Windows the selection option is limited to to the executable file types. The target program must be able to use the filename as the Parameters to be evaluated when calling the program. Entries in the list can be removed accordingly via 'Remove'.

3.4.1.5 QUIT

Leave the program



3.4.2.1- FOCUS LOCATION



The focus point set by the camera at the moment of capture can be changed using the menu item "Show FocusLocation" or the corresponding icon in the toolbar. In the preview image the Focus point displayed as crosshairs:

The opacity/transparency and the color of the focus point can be set via the Settings dialog. The selection of the menu items Phase AF and FocusLocation remain as well as other display options via the change of an image and active beyond the end of the program.

3.4.2.2 PHASEAF LOCATIONS

If the phase AF was active during the exposure, the used AF fields can be selected via this menu item. are displayed. The color and opacity of the displayed fields can also be set via the Settings menu item.

3.4.2.3 TRACKINGAF LOCATION

If tracking is switched on, the phase AF fields are only displayed during the first exposure. In the following images, the tracking symbol or the EyeAF symbol is displayed instead around the point in the image.

Their color and opacity of the displayed fields can also be preset via the Settings menu item.

3.4.2.4 ONSCREEN INFOS

Similar to the camera display or viewfinder, some relevant shooting information can be displayed as overlay

are displayed above the preview image. As with the focus display, the setting of the Display transparency via the [File] Settings menu item. Note: The display is not yet fully implemented.

3.4.2.5 FULLSIZERAW...

This menu item can be used to display the embedded raw image in the case of an . arw file. (-> Main window/preview)

3.4.2.6 STATISTICS...

Further evaluations can be created or called up via the statistics dialog.



1 - Chart Window

The main display area of the dialog shows the graphical evaluation of the current data.

2 - Current Directory

The basis of the data is initially the data of the active directory when the dialog is called. The directory is displayed as the window title (3).

The base directory can be changed via ChangeDirectory. The data is read in again.

3 - current directory

Under Current Directory the number of evaluated files in the current directory (1) is displayed. The start directory for the evaluation can be changed using ChangeDirectory.

4 - Files

If subdirectories and/or jpg files are to be included in the evaluation, the corresponding selections are to be made here. A new import of the data takes place at this point not automatically, but must be confirmed with 'Refresh Data'.

5 - Chart Settings

Evaluations can be made using a wide variety of criteria in the exif data as well as via a timeline.

• ExifData: If a statistic is to be made via Exif data, the selection of the field to be analyzed is made by mouse click in the window "10 - ExifData -FieldSelection". For the display of the ExifData, the display styles mentioned under '6 -

ChartStyle Type' are available. For the chart types PieChart and Donut, a legend can also be displayed and/or positioned via the item '6 - ChartStyle Legend'.

- Timeline: The timeline is only displayed as a line chart. The display depends on the time span of the data, i.e. on the date and time of the first or last recording.
 - o Recordings within one day: Timeline 24Std
 - \circ Recordings within one month: Timeline month (28-31 days)
 - Recordings within one year: Timeline year (12 months)
 - \circ $\hfill Recordings over more than one year: Timeline over years$

Example: Timeline of one day



6 - Chart Style

Types:

- BarChart vertikal (Default)
- BarChart horizontal
- PieChart
- Donut

Themes:(Farben):

- Light
- Blue Cerulian
- Dark (Default)
- Brown Sand
- Blue NCS
- High Contrast
- BlueICY
- Qt

Legend: (PieChart und Donut):

- No Legend
- Legend Top
- Legend Bottom
- Legend Left
- LegendRight

7 - Print Chart

The chart can be printed with the current settings.



Example: Print Chart Dialog

8 - Copy to Clipboard

... or transferred to the clipboard and thus made available to other programs be

9 - ExifData - FieldSelection

Listing of all criteria that can be selected for a chart evaluation



All windows except the preview image can be shown or hidden. The state of visibility is saved beyond the end of the program.

1 - Show Source Directory

On/off switch for the SourceDirectory Window

2 - Show Statistics of Directory

On/Off switch for the Statistics Window

3 - Show MainData

On/off switch for the MainData Window

4 - Show Exif and MakerNotes

On/Off switch for the Exif and MakerNotes Window

5 - Show Directory Contents

On/Off switch for the DirectoryContents (Thumbnail) Window



1 - Crop Resolution Calculator...

The Crop Resolution Tool is used to calculate the loss of resolution in an image crop. Example: From an image of the A7R IV (61MP), which was taken with 50mm focal length, a A section is selected that corresponds to that of an 85mm lens. The resolution is reduced in this case to rd. 21.1 MP.

2 - About A7Info

A little information about program & author

4.1. LIST OF DETECTED LENSES

As of version 3.1, 03/2021, the following lenses are recognized by the program:

Sigma 19mm F2.8 [EX] DN Sigma 30mm F2.8 [EX] DN Sigma 60mm F2.8 DN Sony E 18-200mm F3.5-6.3 OSS LE Tamron 18-200mm F3.5-6.3 Di III VC Tokina FiRIN 20mm F2 FE AF Tokina FiRIN 20mm F2 FE MF Zeiss Touit 12mm F2.8 Zeiss Touit 32mm F1.8 Zeiss Touit 50mm F2.8 Macro Zeiss Loxia 50mm F2 Zeiss Loxia 35mm F2 Sony LA-EA1 or Sigma MC-11 Adapter Sony LA-EA2 Adapter Sony LA-EA3 Adapter Sony LA-EA4 Adapter Sony LA-EA5 Adapter Metabones Canon EF Smart Adapter Metabones Canon EF Smart Adapter Mark III or other Adapter Metabones Canon EF Speed Booster Ultra Metabones Canon EF Smart Adapter Mark IV Metabones Canon EF Speed Booster Sony E 16mm F2.8 Sony E 18-55mm F3.5-5.6 OSS Sony E 55-210mm F4.5-6.3 OSS Sony E 18-200mm F3.5-6.3 OSS Sony E 30mm F3.5 Macro Sony E 24mm F1.8 ZA Samyang AF 50mm F1.4 Sony E 50mm F1.8 OSS Samyang AF 14mm F2.8 Sony E 16-70mm F4 ZA OSS Sony E 10-18mm F4 OSS Sony E PZ 16-50mm F3.5-5.6 OSS Sony FE 35mm F2.8 ZA Samyang AF 24mm F2.8 Samyang AF 35mm F2.8 Sony FE 24-70mm F4 ZA OSS Sony FE 85mm F1.8 Viltrox PFU RBMH 85mm F1.8 Sony E 18-200mm F3.5-6.3 OSS LE Sony E 20mm F2.8 Sony E 35mm F1.8 OSS Sony E PZ 18-105mm F4 G OSS Sony FE 12-24mm F4 G Sony FE 90mm F2.8 Macro G OSS Sony E 18-50mm F4-5.6 Sony FE 24mm F1.4 GM Sony FE 24-105mm F4 G OSS Sony E PZ 18-200mm F3.5-6.3 OSS Sony FE 55mm F1.8 ZA Sony FE 70-200mm F4 G OSS

Sony FE 16-35mm F4 ZA OSS36 Sony FE 50mm F2.8 Macro Sony FE 28-70mm F3.5-5.6 OSS Sony FE 35mm F1.4 ZA Sony FE 24-240mm F3.5-6.3 OSS Sony FE 28mm F2 Sony FE PZ 28-135mm F4 G OSS Sony FE 100mm F2.8 STF GM OSS Sony E PZ 18-110mm F4 G OSS Sony FE 24-70mm F2.8 GM Sony FE 50mm F1.4 ZA Sony FE 85mm F1.4 GM Samyang AF 85mm F1.4 Sony FE 50mm F1.8 Sony FE 21mm F2.8 (SEL28F20 + SEL075UWC) Sony FE 16mm F3.5 Fisheye (SEL28F20 + SEL057FEC) Sony FE 70-300mm F4.5-5.6 G OSS Sony FE 100-400mm F4.5-5.6 GM OSS Sony FE 70-200mm F2.8 GM OSS Sony FE 16-35mm F2.8 GM Sony FE 400mm F2.8 GM OSS Sony E 18-135mm F3.5-5.6 OSS Sony FE 135mm F1.8 GM Sony FE 200-600mm F5.6-6.3 G OSS Sony FE 600mm F4 GM OSS Sony E 16-55mm F2.8 G Sony E 70-350mm F4.5-6.3 G OSS Sony FE 35mm F1.8 Sony FE 20mm F1.8 G Sony FE 12-24mm F2.8 GM Sony FE 28-60mm F4-5.6 Sony FE 35mm F1.4 GM Sony FE 70-200mm F2.8 GM OSS + 1.4X Teleconverter Sony FE 70-200mm F2.8 GM OSS + 2X Teleconverter Sony FE 100mm F2.8 STF GM OSS (macro mode) Sony FE 100-400mm F4.5-5.6 GM OSS + 1.4X Teleconverter Sony FE 100-400mm F4.5-5.6 GM OSS + 2X Teleconverter Sony FE 400mm F2.8 GM OSS + 1.4X Teleconverter Sony FE 400mm F2.8 GM OSS + 2X Teleconverter Sony FE 200-600mm F5.6-6.3 G OSS + 1.4X Teleconverter Sony FE 200-600mm F5.6-6.3 G OSS + 2X Teleconverter Sony FE 600mm F4 GM OSS + 1.4X Teleconverter Sony FE 600mm F4 GM OSS + 2X Teleconverter Zeiss Touit 12mm F2.8 Zeiss Touit 32mm F1.8 Zeiss Touit 50mm F2.8 Macro Zeiss Batis 25mm F2 Zeiss Batis 85mm F1.8 Zeiss Batis 18mm F2.8 Zeiss Batis 135mm F2.8 Zeiss Batis 40mm F2 CF Zeiss Loxia 50mm F2 Zeiss Loxia 35mm F2 Zeiss Loxia 21mm F2.8 Zeiss Loxia 85mm F2.4 Zeiss Loxia 25mm F2.4 Tamron 28-75mm F2.8 Di III RXD Tamron 17-28mm F2.8 Di III RXD37 Tamron 35mm F2.8 Di III OSD M1:2 Tamron 24mm F2.8 Di III OSD M1:2 Tamron 20mm F2.8 Di III OSD M1:2 Tamron 70-180mm F2.8 Di III VXD

Tamron 28-200mm F2.8-5.6 Di III RXD Tamron 70-300mm F4.5-6.3 Di III RXD Tamron 17-70mm F2.8 Di III-A VC RXD Tokina atx-m 85mm F1.8 FE Tokina FiRIN 20mm F2 FE AF Tokina FiRIN 100mm F2.8 FE MACRO Sigma 30mm F1.4 DC DN | C Sigma 50mm F1.4 DG HSM | A Sigma 18-300mm F3.5-6.3 DC MACRO OS HSM | C + MC-11 Sigma 18-35mm F1.8 DC HSM | A + MC-11 Sigma 24-35mm F2 DG HSM | A + MC-11 Sigma 24mm F1.4 DG HSM | A + MC-11 Sigma 150-600mm F5-6.3 DG OS HSM | C + MC-11 Sigma 20mm F1.4 DG HSM | A + MC-11 Sigma 35mm F1.4 DG HSM | A Sigma 150-600mm F5-6.3 DG OS HSM | S + MC-11 Sigma 120-300mm F2.8 DG OS HSM | S + MC-11 Sigma 24-105mm F4 DG OS HSM | A + MC-11 Sigma 17-70mm F2.8-4 DC MACRO OS HSM | C + MC-11 Sigma 50-100mm F1.8 DC HSM | A + MC-11 Sigma 85mm F1.4 DG HSM | A Sigma 100-400mm F5-6.3 DG OS HSM | C + MC-11 Sigma 16mm F1.4 DC DN | C Sigma 105mm F1.4 DG HSM | A Sigma 56mm F1.4 DC DN | C Sigma 70-200mm F2.8 DG OS HSM | S + MC-11 Sigma 70mm F2.8 DG MACRO | A Sigma 45mm F2.8 DG DN | C Sigma 35mm F1.2 DG DN | A Sigma 14-24mm F2.8 DG DN | A Sigma 24-70mm F2.8 DG DN | A Sigma 100-400mm F5-6.3 DG DN OS | C Sigma 85mm F1.4 DG DN | A Sigma 105mm F2.8 DG DN MACRO | A Sigma 65mm F2 DG DN | C Sigma 35mm F2 DG DN | C Voigtlander SUPER WIDE-HELIAR 15mm F4.5 III Voigtlander HELIAR-HYPER WIDE 10mm F5.6 Voigtlander ULTRA WIDE-HELIAR 12mm F5.6 III Voigtlander MACRO APO-LANTHAR 65mm F2 Aspherical Voigtlander NOKTON 40mm F1.2 Aspherical Voigtlander NOKTON classic 35mm F1.4 Voigtlander MACRO APO-LANTHAR 110mm F2.5 Voigtlander COLOR-SKOPAR 21mm F3.5 Aspherical Voigtlander NOKTON 50mm F1.2 Aspherical Voigtlander NOKTON 21mm F1.4 Aspherical Voigtlander APO-LANTHAR 50mm F2 Aspherical Voigtlander NOKTON 35mm F1.2 Aspherical SE Samyang AF 50mm F1.4 Samyang AF 14mm F2.8 Samyang AF 35mm F2.8 Samyang AF 35mm F1.4 Samyang AF 45mm F1.838 Samyang AF 18mm F2.8 Samyang AF 35mm F1.8 Samyang AF 75mm F1.839

4.2. VERSION HISTORY

Main changes

- Legend:
- + new feature
- * improvement/modification or bugfix

3.1 (03/05/2021)

- + Linux Support
- + New Setup program
- + DirectoryContentsWindow movable
- * Bugfixes

3.0 (02/13/2021)

- + A1 support
- + A6100, A6400, A6600 support
- + print Chart
- * bugfixes

2.6.0 (01/26/2021)

- + horizontal BarChart
- + Donut Chart
- + new Lens Data

2.5.0 (01/12/2021)

- + timeline in Statistics
- * bugfix A7SM3

2.4.0 (12/03/2020)

- + new Statistics Dialog
- * program start with paramter
- * corrected Directory order

2.3.0 (11/10/2020)

- + first support for A7C
- + Split PhaseAF/Tracking AF
- + new Lens Data
- + new Settings
- * modifications Crop Calculator
- * modifications MenuLayout

2.2.0 (11/01/2020)

- + first support for A7SIII
- + new Lens Data

2.1.1 (09/22/2020)

* bug fixes jpg's

2.1.0 (09/11/2020)

- + Move to Trash
- + new Lens data
- + RGB Values
- + new Statistics
- * bug fixes40

2.0.0 (02/23/0000)

+ support .jpg Files

1.9.0 (12/07/2019)

- + support A9M2
- * extended print function
- * extended program settings
- * bug fixes

1.8.0 (10/17/2019)

- + print function
- * AF Tracking A9 Firmware V6.00
- * AnimalEye AF
- * BitsPerSample bug fix

1.7.0 (08/30/2019)

- + support A7RIV
- + new ExifTags

1.6.7 (07/19/2019)

- + Windows 64Bit
- + Updatecheck

1.6.2 (12/04/2018)

+ Linux Version

1.6.0 (11/14/2018)

- + support A9
- * phaseAF Display
- * bug fixes

0.9.5 (03/14/2018)

+ support A7III

0.9.0 (02/18/2017)

- + support A7RIII
- + DarkStyle
- * changes CropTool

0.8.0 (12/26/2016)

+ support A7II, A7SII 0.6.0 (03/14/2016) + first released version