THE WOODLANDS CAMERA CLUB
POST PROCESSING SIG
MAY 15, 2023

# LRC & PS APRIL 2023 UPDATES - WHAT'S NEW

# LRC UPDATES

- New DeNoise powered by AI (RAW images only)

- Additions to People masking to include Facial Hair and Clothes

- Make Curves adjustments in Masks

- Eye and Edit Indicators to easily identify which edits have been applied

- Edit in PS improvements - directly open layers as Smart Objects

# PS UPDATES

- Selection Improvements using Object Selection Tool

- One Click Delete and Fill

- Live Gaussian Blur (Beta)

- Live Gradients (Beta)

- New Neural Filters

- Adobe Express

# POST PROCESSING WORKFLOWS WITH
## - FastRawViewer
## - Ron's Renamer

Vance Schwantes

TWCC Post Processing SIG

15 May 2023

# Problem Statement

Nasim Mansurov, Photography Life, 9/27/22:

- No matter what software one uses for post-processing photographs, the process of selecting what images to keep and work on, also known as **"culling",** can be quite painful when dealing with thousands of images.

- And this gets even more painful when working with RAW images because **operating systems usually have no built-in capabilities to view and properly render RAW files**.

- Many photographers **end up keeping all RAW images on their computers**, because they do not want to go through the **hassle of deleting bad images** they will never use, only to realize over time that their hard drives get filled up quickly and their post-processing time takes much longer.

- Those who try to cull images in Lightroom know that if a full-size image preview is not generated at the time of import, it can take a long time to render each image. Sadly, **Lightroom is quite weak at quickly previewing images**, so

- working pros and enthusiasts usually end up complementing the culling part of their workflow with additional software like **Photo Mechanic. At $150**, however, Photo Mechanic costs as much as a retail version of Lightroom, becoming a cost barrier for many.

- **Enter FastRawViewer, an amazingly fast and truly inexpensive RAW file viewer** that has become my personal choice for culling images.
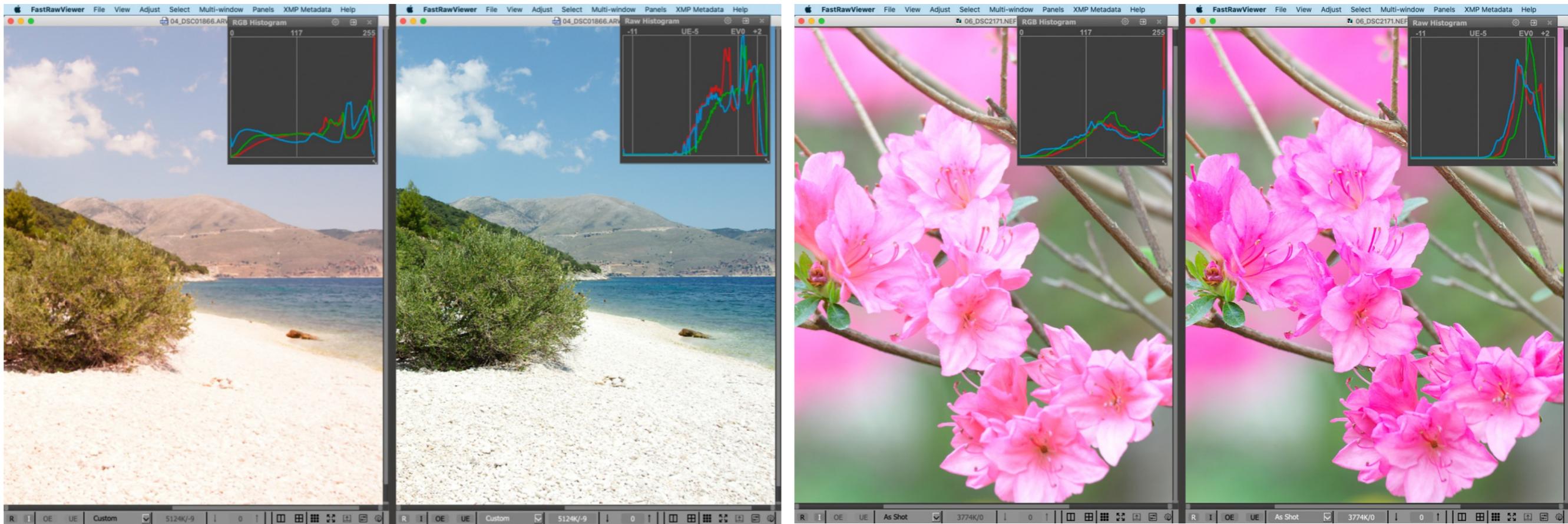
# Summary

FastRawViewer
We needed it. We made it. We share it.

- "Only viewer to work directly with RAW and not the embedded JPEG or uncontrolled RAW conversion"
- Fast browsing speed, through any amount of RAW shots
- Any file system, any media
- No intermediate catalogues, no wasted disc space
- Non destructive edits
- See and correct exposure, focus (sharpen), and noise and saves adjustments as XMP files for Adobe inputs
- Fully customizable interface

# Accurate

- "The only real WYSIWYG RAW viewer"
- Allows a photographer to see the RAW exactly as a converter will "see" it, without any delays or waiting time, guaranteeing the possibility to sort and cull RAW images lightning fast and based on the quality of the RAW itself, not JPEG previews.

# Histograms:  Embedded JPEG ≠ RAW



FastRawViewer
We needed it. We made it. We share it.

"Why bother shooting RAW if culling JPEGs

# Fast

**FastRawViewer**
We needed it. We made it. We share it.

- Opens RAW files extremely quickly and renders them on-the-fly, instead of just displaying embedded JPEGs.
  - 6-15 frames per second up to 50MP
  - 30-50 FPS for cinemaDNG files
  - SSD preferred

# Features

- RAW-based tools:

  RAW histogram                          RAW statistics              Shadow Boost,

  Highlight Inspection                    Focus Peaking              per-channel view

  Exposure CompensationWhite Balance                Contrast Curves

- Preliminary adjustments will be read by Adobe converters

- Tools for rating, labeling and sorting

- Supports RAW, JPEG, TIFF and PNG

- Nearly all settings can be individually tuned

- Vast keyboard/mouse shortcuts

# Features

**Supports almost every existing RAW File Extension:**

| | | | |
|---|---|---|---|
| ARW | CR2 | CR3 | CRW |
| Cinema DNG | | | |
| DNG | NEF | NRW | ORF |
| HEIC / HEIF | | | |
| PEF | RAF | RAW | RW2 |
| Canon CHDK | | | |
| RWL | SRW | | |
| DIAG RAW | | | |

File Extensions for Medium Format (MF)

# Features

**FastRawViewer**
We needed it. We made it. We share it.

**Supports 1,217 cameras and mobile devices:**

- "New additions are added quickly"
- Canon:  R, D, M
- Nikon:  Z, D, Coolpix
- Sony:  E, A, RX, Cybershot
- Other cameras:  Hasselblad, Leica, Minota, Olympus, Panasonic, Pentax, PhaseOne, Richoh, Rollei
- Drones:  DJI
- Action:  GoPro
- Phones:  Apple, LG, Samsung, Google, Huawei, Motorola, Nokia, Xiaomi
- Other devices:  RaspberryPi
- Etc.

# Keyboard Shortcuts

**FastRawViewer**
We needed it. We made it. We share it.

## File Handling

| | |
|---|---|
| Open file | Ctrl+O |
| Open first file in folder | Ctrl+Shift+Left  Ctrl+Shift+Num+Left |
| Jump -3 files | Ctrl+Alt+Shift+Left  Ctrl+Alt+Shift+Num+Left |
| Jump -2 files | Ctrl+Alt+Left  Ctrl+Alt+Num+Left |
| Open previous file | Ctrl+Left  Backspace  Ctrl+Num+Left  Left  Num+Left |
| Open next file (in current folder) | Ctrl+Right  Space  Ctrl+Num+Right  Right  Num+Right |
| Jump +2 files | Ctrl+Alt+Right  Ctrl+Alt+Num+Right |
| Jump +3 files | Ctrl+Alt+Shift+Right  Ctrl+Alt+Shift+Num+Right |
| Open last file in folder | Ctrl+Shift+Right  Ctrl+Shift+Num+Right |
| Reload current file | Ctrl+F4 |
| Fetch thumbnails for current folder | Ctrl+Shift+F |
| Close current file | Ctrl+U |
| Rename file | Shift+F2 |
| Undo last file operation | Ctrl+Z |

## Filter files in folder

| | |
|---|---|
| Disable/enable file filtering | V |
| Remember file filter settings | Alt+V |
| Recall stored file filter settings | Ctrl+V |
| Filter files by name | Alt+F |

## Rotate

| | |
|---|---|
| Rotate 90$^0$ Counterclockwise | Ctrl+7  Ctrl+Home |
| Rotate 90$^0$ Clockwise | Ctrl+9  Ctrl+PgUp |
| Rotate 180$^0$ | Ctrl+8  Ctrl+Up |
| Flip image horizontal | no shortcuts set |
| Flip image vertical | no shortcuts set |

## File Copy/Move/Reject

| | |
|---|---|
| Move file to folder (ask destination) | M |
| Move file to subfolder in current folder (ask destination) | Alt+M |
| Move file to last used folder | Shift+M |
| Move file to 2nd used folder | Alt+Shift+M |
| Move file to 3rd used folder | Ctrl+Shift+M |
| Move file to 4th used folder | Ctrl+Alt+M |
| Move file to 5th used folder | Ctrl+Alt+Shift+M |
| Copy file to folder (ask destination) | C |
| Copy file to subfolder in current folder (ask destination) | Alt+C |
| Copy file to last used folder | Shift+C |
| Copy file to 2nd used folder | Alt+Shift+C |
| Copy file to 3rd used folder | Ctrl+Shift+C |
| Copy file to 4th used folder | Ctrl+Alt+C |
| Copy file to 5th used folder | Ctrl+Alt+Shift+C |
| Move current file to _Selected subfolder | no shortcuts set |
| Move current file to _Rejected subfolder | X |
| Undelete: move file one level up from _Rejected | Shift+X |

## Image Adjustments

| | |
|---|---|
| Shadows boost On/Off | Shift+S |
| Highlights inspection On/Off | Shift+H |
| Linear mode On/Off | Shift+L |
| Show/Hide Overexposed areas | O |
| Show/Hide Underexposed areas | U |
| Toggle White Balance (Daylight/As Shot/Auto) | W |
| Manual White Balance | Alt+W |
| Custom WB | Alt+Left Click |
| Increase image contrast | K |
| Decrease image contrast | Shift+K |
| Exposure correction Off/On | A |
| Auto Exposure correction | Shift+A |
| Increase Exposure | Alt++  Alt+= |
| Increase Exposure (big step) | Ctrl+Alt++  Ctrl+Alt+= |
| Decrease Exposure | Alt+- |
| Decrease Exposure (big step) | Ctrl+Alt+- |
| Reset image rendering to defaults | Ctrl+Shift+R |

## Folder Handling

| | |
|---|---|
| Open folder | Ctrl+Shift+O |
| Open folder with subfolders | Alt+O |
| Open filelist | Alt+Shift+O |
| Hotfolder mode | Alt+Shift+H |
| Slideshow | Alt+Shift+S |
| Start Folder tree at current folder | Ctrl+T |
| Start Folder tree at one level up | Ctrl+Shift+T |
| Move folder filter one level up | Shift+T |
| Reset folder filtering | Alt+T |
| Reload current folder | Ctrl+Shift+F4 |
| Refresh subfolders tree | Alt+Shift+F4 |
| Refresh full folder tree | Ctrl+Alt+F4 |

## XMP Rating

| | |
|---|---|
| Set Rating to Reject | Alt+Del |
| No Rating | Alt+0 |
| Set Rating to 1 | Alt+1 |
| Set Rating to 2 | Alt+2 |
| Set Rating to 3 | Alt+3 |
| Set Rating to 4 | Alt+4 |
| Set Rating to 5 | Alt+5 |
| Decrease Rating | Alt+, |
| Increase Rating | Alt+. |

## Image Display

| | |
|---|---|
| Display full color RGB | Ctrl+2 |
| Display R channel | Ctrl+3 |
| Display G channel | Ctrl+4 |
| Display B channel | Ctrl+5 |
| Display BW conversion | Ctrl+6 |
| No Overlay Grid | no shortcuts set |
| Overlay Grid0 | no shortcuts set |
| Overlay Grid1 | no shortcuts set |
| Overlay Grid2 | no shortcuts set |
| Overlay Grid3 | no shortcuts set |
| Overlay Grid4 | no shortcuts set |
| Overlay Grid5 | no shortcuts set |
| Next Overlay Grid | Alt+G |
| Switch data to display (RAW, embedded JPEG, ext. JPEG) | J |
| Toggle Focus Peaking (None/Edges/Fine Details/Both) | P |
| Focus Peaking: contrast edges | no shortcuts set |
| Focus Peaking: fine details | no shortcuts set |
| Screen Sharpening On/Off | S |

## Information Panels

| | |
|---|---|
| Show/Hide Histogram | F2 |
| Show/Hide EXIF | F3 |
| Show/Hide OE/UE Stats | F4 |
| Show/Hide XMP Metadata panel | F5 |
| Show/Hide Filmstrip panel | F6 |
| Show/Hide Folders panel | F7 |
| Show/Hide Favorite Folders sub panel | Shift+F7 |
| Sort/Filter files sub panel | F8 |
| Hide all panels | Tab |
| Move keyboard focus to folders panel | Ctrl+F7 |
| Move keyboard focus to favorite folders panel | Ctrl+Shift+F7 |
| Move keyboard focus to grid panel | Ctrl+G |
| Move keyboard focus to filmstrip panel | Ctrl+F6 |
| Reset panels positions | Alt+F10 |

## External editors

| | |
|---|---|
| Show in Windows Explorer | Ctrl+F |
| Run Photoshop | R |
| Run Lightroom | Alt+R |
| Run External Program 3 | Ctrl+R |
| Run External Program 4 | no shortcuts set |
| Run External Program 5 | no shortcuts set |
| Run External Program 6 | no shortcuts set |
| Run External Program 7 | no shortcuts set |
| Run External Program 8 | no shortcuts set |
| Run External Program 9 | no shortcuts set |
| Run External Program 10 | no shortcuts set |

## General Functions

| | |
|---|---|
| Clear thumbnails database | no shortcuts set |
| Edit Preferences | Ctrl+P |
| Edit Keyboard Shortcuts | Ctrl+K |
| Customize bottom bar | no shortcuts set |
| Clean "recently used" lists | no shortcuts set |
| Exit program | Ctrl+Q |
| File Context Menu | Right Click |

## Multi-window operations

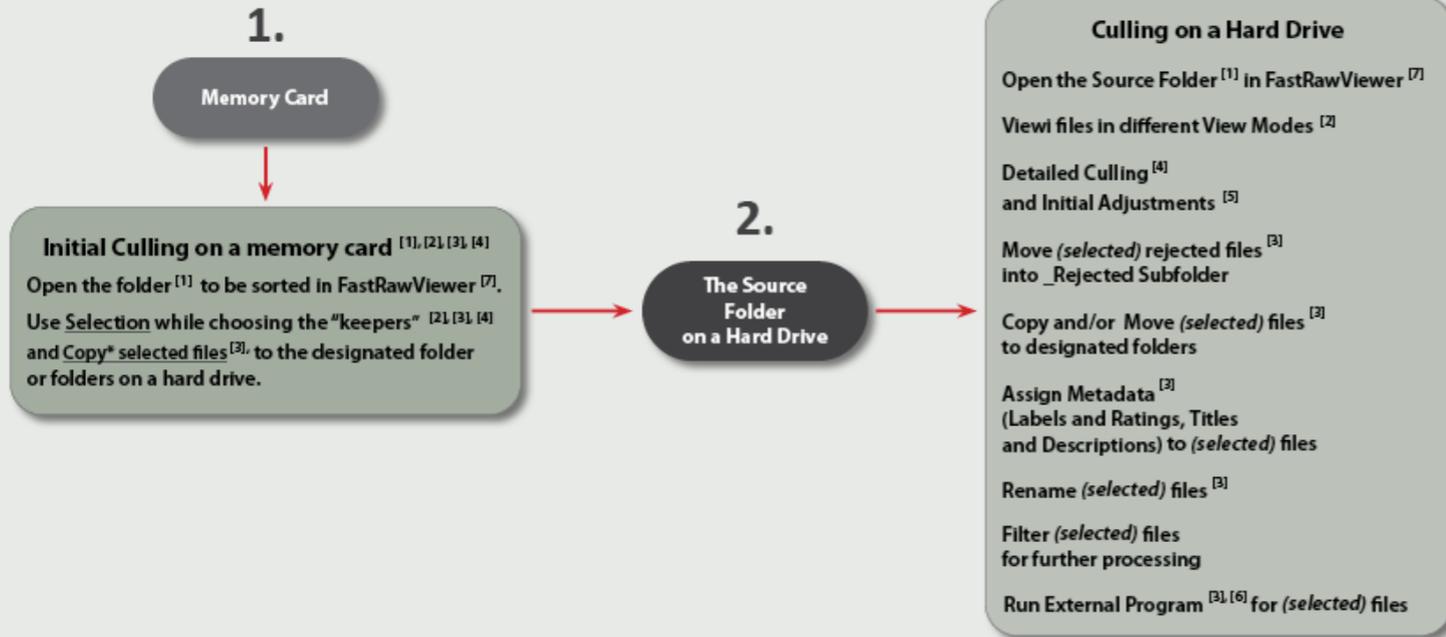| | |
|---|---|
| Layout: Single window | B |
| Layout: 2-up vertical | Alt+B |
| Layout: 2-up vertical + copy to #1 | Alt+Shift+B |
| Layout: 4-up | Ctrl+B |
| Layout: 4-up + copy to #1 | Ctrl+Shift+B |
| Copy main window to window 1 | Y |
| Copy main window to window 2 | no shortcuts set |
| Copy main window to window 3 | no shortcuts set |
| Copy to window 1 then open next file | Alt+Y |
| Copy to window 2 then open next file | no shortcuts set |
| Copy to window 3 then open next file | no shortcuts set |
| Copy from window 1 to main | Shift+Y |
| Copy from window 2 to main | no shortcuts set |
| Copy from window 3 to main | no shortcuts set |
| Swap main window with window 1 | Ctrl+Y |
| Swap main window with window 2 | no shortcuts set |
| Swap main window with window 3 | no shortcuts set |
| Copy processing settings from window 1 | Ctrl+Shift+Y |
| Copy processing settings from window 2 | no shortcuts set |
| Copy processing settings from window 3 | no shortcuts set |

## Zoom-Pan

| | |
|---|---|
| Toggle view: Image/Grid | G |
| Toggle show Histogram/Exposure Statistics in grid view | Shift+G |
| Zoom In | Ctrl++  Ctrl+=  Shift+Wheel Up |
| Zoom Out | Ctrl+-  Shift+Wheel Down |
| Mouse Panning | no shortcuts set |
| Quick Zoom and Pan | Shift+Right Click |
| Mouse Drag | Left Click |
| Quick Zoom and Drag | Shift+Left Click |
| Actual Pixels (1:1) | Ctrl+1 |
| Fit to Window | Ctrl+0 |
| Fit to Window width | Ctrl+Alt+0 |
| Toggle Zoom | Z |
| Toggle Fullscreen mode | F |
| Return from fullscreen or single image mode | Esc |
| Minimize window | no shortcuts set |

## Information Panels

| | |
|---|---|
| Show/Hide Histogram | F2 |
| Show/Hide EXIF | F3 |
| Show/Hide OE/UE Stats | F4 |
| Show/Hide XMP Metadata panel | F5 |
| Show/Hide Filmstrip panel | F6 |
| Show/Hide Folders panel | F7 |
| Show/Hide Favorite Folders sub panel | Shift+F7 |
| Sort/Filter files sub panel | F8 |
| Hide all panels | Tab |
| Move keyboard focus to folders panel | Ctrl+F7 |
| Move keyboard focus to favorite folders panel | Ctrl+Shift+F7 |
| Move keyboard focus to grid panel | Ctrl+G |
| Move keyboard focus to filmstrip panel | Ctrl+F6 |
| Reset panels positions | Alt+F10 |

| | |
|---|---|
| Select/Deselect current file | |
| Select/Deselect current file and move to next | Ctrl+.  Shift+Right  Shift+Num+Right |
| Move to prev file and select/deselect it | Ctrl+,  Shift+Left  Shift+Num+Left |
| Select all files | Ctrl+A |
| Unselect all files | Ctrl+D |
| Invert selection | Ctrl+I |
| Select by Rating/Label | Ctrl+' |
| Save Selection to file | no shortcuts set |
| Load Selection from file | no shortcuts set |
| Append Selection from file | no shortcuts set |

**Reject:   X**
**Zoom:     Ctrl +**
**Fit:      Ctrl 0**
**Grid:     G**

# RAW-based Workflow:
## Unsorted RAW Images --> FastRawViewer --> Adobe Lr/ACR or other RAW Converter

**Fast RAW Viewer**
*time to move forward... faster...*

website: http://www.fastrawviewer.com
email: support@fastrawviewer.com

**1.**

**Memory Card**

**Initial Culling on a memory card** [1], [2] [3], [4]
Open the folder [1] to be sorted in FastRawViewer [7].
Use Selection while choosing the "keepers" [2] [3] [4]
and Copy* selected files [3], to the designated folder
or folders on a hard drive.

**2.**

**The Source Folder on a Hard Drive**

**Culling on a Hard Drive**

Open the Source Folder [1] in FastRawViewer [7]

Viewi files in different View Modes [2]

Detailed Culling [4]
and Initial Adjustments [5]

Move *(selected)* rejected files [3]
into _Rejected Subfolder

Copy and/or Move *(selected)* files [3]
to designated folders

Assign Metadata [3]
(Labels and Ratings, Titles
and Descriptions) to *(selected)* files

Rename *(selected)* files [3]

Filter *(selected)* files
for further processing

Run External Program [3], [6] for *(selected)* files

**Archive**
of *RAW Imiges*
*(with their XMP files)*

**Ready-to-Use Images on Various Media**

**External Program** [5]
*(Adobe Lr/ACR, other RAW converter, RawDigger, etc.)*
Catalogueing
Converting
Editing
Researching etc.

**Culling _Rejected** [1] - [5]
Check the rejected images,
and if necessary move some
*(or all)* of them from the _Re-
jected subfolder back to the
Source Folder or any other
choosen folder.
Then the _Rejected subfolder
can be cleared.

For a quick start, please look at the "Tips"; for detailed instructions, please read the manual.

[1]
**Open Folder Modes:**
1. Standard "Open Folder" Mode
2. Open Folder with Subfolders
3. Open Filelist
4. Hotfolder Mode
5. Slideshow

[2]
**Viewing Files
in Different View Modes:**
1. Grid View Mode
2. Single View Mode
3. Multi-window View Mode
   (2 / 4 windows)

[3]
**Single or Multiple File Operations**
Operations such as Select, Copy,
Move, Rename, Run External
Program, Rotate, Assign Meta-
data *(Labels and Ratings, Title and
Description)* can be done and
reverted *(Undo)* for a single file or
for multiple files.

[4]
**Technical Tools for Culling
based on RAW data:**
1. RAW Histogram
2. OE-, UE indication and Statistics
3. Per-channel View
4. Focus Peaking
5. Shadow Boost
6. Highlight Inspection

[5]
**Image Adjustments**
1. Orientation
2. Exposure *(brightness)*
3. White Balance
4. Contrast *(Tone)* Curve
*User adjustments are recorded
as XMP sidecar files in the
current folder with images*

[6]
**Integration with External
Programs**
1. Choose up to 10 external
   progtrams,
2. Launch an external program
   directly from FastRawViewer for
   a single or multiple selected files.
3. Assign Keyboard shortcuts to
   external programs and match
   an Image display

[7]
**Fully Customizable Interface**
*For customization use:*
1. FastRawViewer Preferences
2. Keyboard Shortcut Editor
3. Panels' Option gear icons

* We do not recommend using "move" operations while working with a memory
  card or a network server.
  Also we do not recommend assigning labels and ratings while working with
  a memory card.

# Simple Workflow

- One time setup:  create "reject" shortcut key  (X)
  - Ctrl K or File / Customize / Keyboard Shortcuts
  - Set the 3rd menu item (File/Copy/Reject) set "Move current file to _Rejected subfolder" to your preferred key and click OK

------------------------------------------------------------------------

- Insert memory card
- Open FastRawViewer
- Navigate to photo folder on your card
- Cull images to "rejected" folder using arrow and X keys
- Load keepers to Lightroom (import folder on desktop)
- Review rejects one more before formatting the card

# Example

# Pricing

FastRawViewer V2

- **$17.99**

- Current version + major upgrades in next 6 months

  - Save 40% on future major upgrades

- Two computers simultaneously on either platform (Windows, OS X platforms)

- https://www.fastrawviewer.com/

# Competition:  Photo Mechanic

- "World's Fastest Photo Browser"
- Cull, Edit, Keyword, EXIF
- Contact sheet
- Batch edit
- Move, Copy, Rename, Geotag
- Use GPS data to keyword locations
- Adjust capture dates / times
- Compare images side by side
- Export to websites automatically
- Library management; create galleries

**Pho**to Mechanic v6:
**$129**
- Upgrade from v5 (save 35%): $85

Photo Mechanic Plus $214
- Adds image database
- Upgrade from v6 (save 60%): $85
- Upgrade from v5 (save 21%): $169

- 25th anniversary sale prices
- 1 user, 3 devices, both OS

# FastRawViewer vs. Photo Mechanic

**FastRawViewer**
We needed it. We made it. We share it.

**Photo Mechanic**

- Almost immediate updates for new cameras and formats
- $18

- File management tools (redundant to Lightroom)
- Large professional user base
- Older, more "mature" product
- $129

# Summary

**Rons Renamer**

- "Rons Renamer is an essential windows utility for organizing and renaming batches of files and folders. Elegant, powerful, safe and fast."
- Works with photographs (EXIF) and music files (MP3 tags)
- Batches of files from 10's to 1000's
- Span multiple directories
- 15 easy rules provided, plus command line support for complete script customization
- Combine unlimited number of rules
- Preview results before executing the command

# Features

**Rons Renamer**

- Combine any number of rules
- Save sets of rules
- EXIF and MP3 tag editing
- **Live name preview** – what new name will be
- Live status preview – which files will change
- **Conflict checking** – illegal file name fixing built in
- Command Line support
- **Rollback option**
- Very long filenames (up to 32,000 characters)

15 EASY TO USE RENAMING RULES
- Add Space
- Add Text
- Add Numbers
- Add Date/Time
- Add Path Name
- Remove Space
- Remove Text
- Remove Numbers
- Add Music Tag
- Add Image Tag
- Change Case
- Replace Date/Time
- Replace Text
- Replace Numbers
- Split Name

# Rule Presets

To add a new rule to the current rule set, either click on one of the available rules in the list to the left of the rule edit area, or select a rule from the main tool bar by clicking on the Add Rule button. The rule will automatically be added to the list of rules in the rule set list in the center of the rule edit area, and its details will be shown right of the rule list.

- Add Space — Add space before, after or around various types of characters.
- Add Text — Simply add some text.
- Add Numbers — Add numbers started and stepped at any value. The order of ascension is specified in the rule, and so is independent of the sort order of the file list.
- Add Date/Time — Add the date and/or time. The date and time can come from the current system time or the file time based information.
- Add Path Name — Add any part of the file path.
- Remove Space — Remove, or condense, space (and other characters).
- Remove Text — Remove a number of characters from any position.
- Remove Numbers — Remove numbers (and surrounding characters).
- Add Music Tag — Add an MP3 music tag.
- Add Image Tag — Add an EXIF image tag.
- Replace Text — Replace text. Text can be normal text, wildcard, or regular expressions.
- Replace Numbers — Replace numbers. Numbers can be added, subtracted, multiplied, divided or simply have their format changed.
- Replace Date/Time — Replace date/time. Date/time can be added, subtracted or simply have their format changed.
- Change Case — Change the case.
- Split Name — Split based on dividing characters, and swap, move, copy or delete the parts.

# Pricing



Rons Renamer Pro

- Price:  $15

- https://www.ronsplace.ca/Products/RonsRenamer


Rons Renamer Lite

- Price:  $ free

- Max 75 files

- Advertising banner

- No command line or rule set shortcuts

# Summary

**Rons Renamer**

- Ron's Renamer is a powerful file name and EXIF/MP3 tag editing tool for only $15
- You won't need it, until you need it.

# The End