Support ISOBMFF and CR3 in Exiv2 & darktable

2021-01-09

Project charter

Project Aim:

- Support Canon CR3 format in darktable
- Support HEIC in darktable

Technology Status Quo:

- Exiv2 book code reads unencrypted data as specified in ISO standard
- Exiv2 current ISOBMFF support is JP2
- darktable dependency Exiv2 for Canon CR3 meta data handling

Project Requirements:

- Exiv2 v0.27.4 to support CR3 & HEIC
- RawSpeed to support CR3 & HEIC
- darktable build & UI updates
- darktable pre-release user acceptance test & feedback
- Legal consideration

Exiv2 tasks

Milestones	Responsibility	Due Date
Port code from book to Exiv2 v0.27-maintenance	Jesus & Peter	2021-02-28
Update Canon MakerNote and Lens Handling	TBD	2021-MM-DD
First Release Candidate Exiv2 v0.27.4 RC1	Robin	2021-03-31
Exiv2 v0.27.4 GM	Robin	2021-04-30

darktable & RawSpeed tasks

Milestones	Responsibility	Due Date
CR3 support in RawSpeed	TBD	2021-MM-DD
Exiv2 0.27.4 integration in darktable	TBD	2021-MM-DD
darktable pre-release effort	TBD	2021-MM-DD

Discussion

Patent infringement

- Join OIN
  - Who signs the license agreement?
  - Who maintains the license agreement?
- Forward responsibility to the user
  - UI adjustments in darktable?

Decisions & Actions

- Tbd

Next steps

- Can we do this?
- Blockers?
- Where do we track our progress?

	January				February				March				April				May				June			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Exiv2																									
Task 1																									
Task X																									
Row 3																									
Row 4																									
Row 5																									
Row 6																									
RawSpeed																									
Row 1																									
Row 2																									
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darktable																									
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