darktable - Feature #9886

Sony RX100 RAW files lens correction

04/03/2014 02:51 PM - majo dom

Status:	New		**Start date:**	04/03/2014
Priority:	Medium		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				
Affected Version:			**bitness:**	64-bit
System:			**hardware architecture:**	amd64/x86

Description

Opening Sony RX100 RAW files in darktable results in distorted images - the internal lens correction is not applied. Photoshop/Lightroom open these RAW files without any issues. The camera uses builtin lens correction algorithm and probably stores the values in RAW files themselves. JPG files look just fine. There is RAW file in the attachement and JPG file as well. I own the camera so I can provide any information/RAW examples needed.

History

#1 - 04/03/2014 03:08 PM - Torsten Bronger

Unfortunately, Darktable cannot interpret the correction data in the RAW yet. This is certainly a nice addition, but it may make extensions in Lensfun necessary, too.

Anyway, Lensfun contains correction data for this camera in its upcoming version. You may download http://lensfun.berlios.de/db/version_0.tar.bz2 and replace the content of /usr/share/lensfun with the content of that bzip2 file. It does not correct TCA or vignetting, however. See http://wilson.bronger.org/calibration for how to do that.

#2 - 04/03/2014 03:20 PM - majo dom

Thank you very much for your reply. Is there anything I can do/help to make it possible to open RAW images directly with darktable?

BTW I downloaded the new Lensfun files, it works very well when applied on RAW images. Thanks again!

#3 - 04/03/2014 03:29 PM - Torsten Bronger

You may add code that handles the data in the RAW file. But I consider this not easy. I even don't know whether Sony has published the specification for that freely.

#4 - 05/29/2017 08:11 PM - G L

@ Majo Dom: Did you find a solution to correct the lens of the RX100?
Struggling with the same issue. See https://redmine.darktable.org/issues/11626

Files

DSC03007.ARW	19.8 MB	04/03/2014	majo dom
DSC03008.JPG	5.34 MB	04/03/2014	majo dom