

darktable - Camera Support #11668

Canon PowerShot G9 X Mark ii

07/09/2017 10:39 AM - Scott Barlow

Status:	Fixed	Start date:	07/09/2017
Priority:	Low	Due date:	
Assignee:	Roman Lebedev	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2.4.0		
Affected Version:	2.2.4		

Description

I recently bought this point and shoot camera that had RAW output and I'd like to help get it fully supported in DT. I just uploaded an image to <https://raw.pixls.us/> and I'm happy to take as many more pictures as needed.

What other pictures do I need to take to get everything else supported (WB, noise profiles, lens distortion corrections, TCA, etc)?

Associated revisions

Revision 0f796adc - 07/13/2017 05:20 PM - Roman Lebedev

Canon PowerShot G9 X Mark II color matrix.

Refs. #11668

Revision fb878427 - 07/13/2017 05:20 PM - Roman Lebedev

RawSpeed submodule update: Canon PowerShot G9 X Mark II camera support.

Fixes #11668

Revision def962dd - 07/18/2017 11:19 PM - Roman Lebedev

RawSpeed submodule update: update XSD, fix crop for 2 cameras.

Thanks to @schenlap for noticing that for the G9 X II

Refs. #11668

Refs. #11669

Refs. #10204

History

#1 - 07/09/2017 02:19 PM - Roman Lebedev

- Status changed from New to Incomplete

- Assignee set to Roman Lebedev

- % Done changed from 0 to 20

Scott Barlow wrote:

I recently bought this point and shoot camera that had RAW output and I'd like to help get it fully supported in DT. I just uploaded an image to <https://raw.pixls.us/> and I'm happy to take as many more pictures as needed.

Thank you!

However for darktable, i will need one slightly overexposed raw per each ISO level that can be set in camera, including any sub-ISO steps, and high-iso expansions if any. Please try to take such a pictures so that all the 4 edges of the images (the whole perimeter) is well-exposed, it really helps to find the proper crop.

What other pictures do I need to take to get everything else supported (WB,

For wb, actually that one raw already contains all the presets.

The problem is, at least for the Canon EOS M5, those are not presets, but they are somehow different each time, so i don't know if it makes sense to have them.

noise profiles

<https://www.darktable.org/2012/12/profiling-sensor-and-photon-noise/>

but that article is somewhat outdated. please put that into separate issue

lens distortion corrections, TCA, etc)?

These are lensfun problem, i'm not really familiar with that.

<http://lensfun.sourceforge.net/calibration/>

#2 - 07/09/2017 09:54 PM - Scott Barlow

- File IMG_1860.CR2 added

- File IMG_1861.CR2 added

- File IMG_1862.CR2 added

- File IMG_1863.CR2 added

- File IMG_1864.CR2 added

- File IMG_1865.CR2 added

- File IMG_1866.CR2 added
- File IMG_1867.CR2 added
- File IMG_1858.CR2 added
- File IMG_1859.CR2 added

I've attached a picture at every ISO level that the camera would let me select. I used program mode, so it automatically changed the aperture and shutter speed to maintain my +1 exposure compensation. I'll re-take photos of something else if it would be better.

It'll take a few posts to upload all of the photos here (10 files/post limit and I can't put them into a single .tar.gz since the maximum permitted size is 48.8 MB). Is it preferred to upload them like this or do you prefer having the sets uploaded to another website?

#3 - 07/09/2017 09:57 PM - Roman Lebedev

Scott Barlow wrote:

I've attached a picture at every ISO level that the camera would let me select. I used program mode, so it automatically changed the aperture and shutter speed to maintain my +1 exposure compensation. I'll re-take photos of something else if it would be better.

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Uh, oh, please don't upload them here, put them in one(!!!) archive, upload it somewhere, and just add a link. I should have stated that in the first place.

#4 - 07/09/2017 09:59 PM - Scott Barlow

- File IMG_1877.CR2 added
- File IMG_1868.CR2 added
- File IMG_1869.CR2 added
- File IMG_1870.CR2 added
- File IMG_1871.CR2 added
- File IMG_1872.CR2 added
- File IMG_1873.CR2 added
- File IMG_1874.CR2 added
- File IMG_1875.CR2 added
- File IMG_1876.CR2 added

Continuation of ISO images

#5 - 07/09/2017 10:00 PM - Scott Barlow

- File IMG_1878.CR2 added

Last ISO image

#6 - 07/09/2017 10:00 PM - Scott Barlow

Oh, sorry, please feel free to delete them and I will upload them elswewhere

#7 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1859.CR2)

#8 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1858.CR2)

#9 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1861.CR2)

#10 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1860.CR2)

#11 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1862.CR2)

#12 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1863.CR2)

#13 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1864.CR2)

#14 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1865.CR2)

#15 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1866.CR2)

#16 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1867.CR2)

#17 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1869.CR2)

#18 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1868.CR2)

#19 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1870.CR2)

#20 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1871.CR2)

#21 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1873.CR2)

#22 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1872.CR2)

#23 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1874.CR2)

#24 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1875.CR2)

#25 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1876.CR2)

#26 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1877.CR2)

#27 - 07/09/2017 10:02 PM - Roman Lebedev

- File deleted (IMG_1878.CR2)

#28 - 07/09/2017 10:17 PM - Scott Barlow

Roman Lebedev wrote:

Scott Barlow wrote:

I've attached a picture at every ISO level that the camera would let me select. I used program mode, so it automatically changed the aperture and shutter speed to maintain my +1 exposure compensation. I'll re-take photos of something else if it would be better.

I'll take a few posts to upload all of the photos here (10 files/post limit and I can't put them into a single .tar.gz since the maximum permitted size is 48.8 MB). Is it preferred to upload them like this or do you prefer having the sets uploaded to another website?

Uh, oh, please don't upload them here, put them in one(!!!) archive, upload it somewhere, and just add a link.
I should have stated that in the first place.

Ok, thanks for deleting those. I've uploaded them now to Dropbox, here is a link:

https://www.dropbox.com/s/h1ce1381vnhhs9i/2017_07_09_G9x_mark_ii_ISO_Shots.tar.gz?dl=0

#29 - 07/13/2017 05:36 PM - Roman Lebedev

- % Done changed from 20 to 100

- Status changed from Incomplete to Fixed

Applied in changeset [darktable|fb878427dc9ef742597f09bb5af9ac25ac353cbb](#).

#30 - 07/13/2017 08:12 PM - Roman Lebedev

- Target version set to 2.4.0