

darktable - Bug #11880

White balance export problems

12/25/2017 12:46 PM - Christian Pietzsch

| | | | |
|--------------------------|-------------------|-------------------------------|------------|
| Status: | Closed: invalid | Start date: | 12/23/2017 |
| Priority: | Low | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | Lighttable | Estimated time: | 0.00 hour |
| Target version: | 2.6.0 | bitness: | 64-bit |
| Affected Version: | git master branch | hardware architecture: | amd64/x86 |
| System: | other GNU/Linux | | |

Description

I recently noticed that when I export images there are problems with the white balance (at least I think it's white balance). Within the application they are normal. When exporting the preview within nautilus file manager shows them in false colors. When you open these images with the Gnome image viewer they are completely normal. Within Gimp they appear normal in the working space but the little preview in the tab and the layers is also false colors.

If I sent them in Telegram they only get sent in false colors So it varies from application to application.

Since I often get the error that the camera white balance can't be read I adjusted I manually but the effect is the same.

I put my raw file as well as two exported ones in the attachments (first exported is with automatic white balance the second one with spot white balance)

Please let me know if I can provide more information.

System

4.12.14-1-MANJARO #1 SMP PREEMPT Wed Sep 20 10:51:00 UTC 2017 x86_64 GNU/Linux

```
darktable --version
this is darktable 2.2.5
copyright (c) 2009-2017 johannes hanika
darktable-dev@lists.darktable.org
```

compile options:

```
bit depth is 64 bit
normal build
SSE2 optimized codepath enabled
OpenMP support enabled
OpenCL support enabled
Lua support enabled, API version 4.0.0
Colord support enabled
gPhoto2 support enabled
GraphicsMagick support enabled
OpenEXR support enabled
```

History

#1 - 12/25/2017 01:05 PM - Roman Lebedev

- Status changed from New to Closed: invalid

Christian Pietzsch wrote:

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When exporting the preview within nautilus file manager shows them in false colors.

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Clearly, some of those applications are color-managed, and some not.

Since I often get the error that the camera white balance can't be read I adjusted I manually but the effect is the same.

Please open a new issue for that. The sample you attached does exhibit this problem, so attach it there. Is the raw file directly manually copied from camera's flash card, and not modified with exiv2/exiftool/etc?

Also, please contribute a sample from that camera (SONY SLT-A58) to <https://raw.pixls.us/>

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4.12.14-1-MANJARO #1 SMP PREEMPT Wed Sep 20 10:51:00 UTC 2017 x86_64 GNU/Linux

[...]

#2 - 12/26/2017 01:57 PM - Tobias Ellinghaus

The actual problem is that you are exporting with the BGR color profile. It is supposed to be used to find applications that are not color managed by showing false colors there – just what you are seeing. Use sRGB instead and all will be back to normal.

#3 - 12/29/2017 10:35 PM - Roman Lebedev

- Target version set to 2.6.0

#4 - 12/31/2017 02:17 PM - Christian Pietzsch

Tobias Ellinghaus wrote:

The actual problem is that you are exporting with the BGR color profile. It is supposed to be used to find applications that are not color managed by showing false colors there – just what you are seeing. Use sRGB instead and all will be back to normal.

Thanks a lot. That was the issue. Don't know how it got changed though.

Please open a new issue for that. The sample you attached does exhibit this problem, so attach it there. Is the raw file directly manually copied from camera's flash card, and not modified with exiv2/exiftool/etc? Also, please contribute a sample from that camera (SONY SLT-A58) to

<https://raw.pixls.us/>

I know this issue with the white balance isn't camera related. It is a problem with the experimental feature of Digikam writing meta data to the raw file itself. I already looked at raw.pixls.us a while back and saw that they have reference for my camera

Thanks again

#5 - 12/31/2017 02:42 PM - Roman Lebedev

Christian Pietzsch wrote:

Tobias Ellinghaus wrote:

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I know this issue with the white balance isn't camera related. It is a problem with the experimental feature of Digikam writing meta data to the raw file itself.

Congrats. You get to keep the pieces. Please don't forget to tell them that feature of theirs has destroyed yet another raw file.

I already looked at raw.pixls.us a while back and saw that they have reference for my camera

Thanks again

Files

| | | | |
|-----------------|---------|------------|--------------------|
| DSC02434_02.jpg | 856 KB | 12/25/2017 | Christian Pietzsch |
| DSC02434_01.jpg | 1.3 MB | 12/25/2017 | Christian Pietzsch |
| DSC02434.ARW | 19.6 MB | 12/25/2017 | Christian Pietzsch |