

Exiv2 - Bug #1373

Tamron SP 24-70mm F/2.8 Di VC USD not recognized properly

01 Nov 2018 07:12 - Achim Kilchert

Status:	Closed	Start date:	01 Nov 2018
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	lens	Estimated time:	1.00 hour
Target version:	0.27		

Description

Tamron SP 24-70mm F/2.8 Di VC USD is not recognized by exiv2.

Running it on Linux Mint:

exiv2 0.25 001900 (64 bit build)

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```
processing a canon cr2 image by exiv2 -pt /home/achim/Bilder/NasRaw/2018-10-30-Abstract/_MG_3210.CR2 |grep -i 'lens\\model\\make'
```

```
it reads out a "Exif.CanonCs.LensType          Short    1 Sigma 24-70mm f/2.8 IF EX DG HSM"
```

```
Exif.Image.Make          Ascii    6 Canon
```

```
Exif.Image.Model        Ascii   21 Canon EOS 6D Mark II
```

```
Exif.Photo.MakerNote    Undefined 42614 (Binary value suppressed)
```

```
Exif.MakerNote.Offset   Long     1 996
```

```
Exif.MakerNote.ByteOrder Ascii    3 II
```

```
Exif.CanonCs.LensType   Short    1 Sigma 24-70mm f/2.8 IF EX DG HSM
```

```
Exif.CanonCs.Lens       Short    3 24.0 - 70.0 mm
```

```
Exif.Canon.ModelID      Long     1 (2147484678)
```

```
Exif.Canon.LensModel    Ascii   74 24-70mm
```

```
Exif.Photo.LensSpecification Rational  4 24/1 70/1 0/1 0/1
```

```
Exif.Photo.LensModel    Ascii    8 24-70mm
```

```
Exif.Photo.LensSerialNumber Ascii   11 0000000000
```

History

#1 - 01 Nov 2018 08:09 - Robin Mills

- Category set to lens

- Status changed from New to Assigned

- Assignee set to Robin Mills

- Target version set to 0.27

- % Done changed from 0 to 50

- Estimated time set to 1.00 h

This is almost identical to [#1372](#) and you can fix it for yourself with the file ~/.exiv2 If you need further assistance from me, please supply a test image.

#2 - 01 Nov 2018 16:55 - Achim Kilchert

- File _MG_2194.JPG added

Robin Mills wrote:

This is almost identical to [#1372](#) and you can fix it for yourself with the file ~/.exiv2 If you need further assistance from me, please supply a test image.

Yes please assist.

I can't manage to read out the lens ID. Attached you'll find an image. As far as I can see using exiv2 Canon does not store the lens ID in the EXIF data.

#3 - 01 Nov 2018 17:17 - Robin Mills

- Status changed from Assigned to Closed

- Priority changed from High to Normal

- % Done changed from 50 to 100

I see you are using Exiv2 v0.25. This feature was added in Exiv2 v0.26

```
$ curl -O http://dev.exiv2.org/attachments/download/1253/_MG_2194.JPG
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100 1496k    0 1496k    0    0  1879k      0  --:--:--  --:--:--  --:--:-- 1885k
$ exiv2 -pt --grep lens/i _MG_2194.JPG
Exif.CanonCs.LensType           Short      1  Sigma 24-70mm f/2.8 IF EX DG HSM <--- Sigma Lens
Exif.CanonCs.Lens              Short      3  24.0 - 70.0 mm
Exif.Canon.LensModel           Ascii      74  24-70mm
Exif.Photo.LensSpecification   Rational   4  24/1 70/1 0/1 0/1
Exif.Photo.LensModel           Ascii      8  24-70mm
Exif.Photo.LensSerialNumber    Ascii     11  0000000000
$ exiv2 -pv --grep lens/i _MG_2194.JPG
0x0016 CanonCs      LensType           Short      1  137 <--- this is the number
0x0017 CanonCs      Lens              Short      3  70 24 1
0x0095 Canon        LensModel          Ascii      74  24-70mm
0xa432 Photo        LensSpecification  Rational   4  24/1 70/1 0/1 0/1
0xa434 Photo        LensModel          Ascii      8  24-70mm
0xa435 Photo        LensSerialNumber   Ascii     11  0000000000
$ cat ~/.exiv2
[canon]
137=Tamron SP 24-70mm F/2.8 Di VC USD <--- Assign it here
$ exiv2 -pt --grep lens/i _MG_2194.JPG
Exif.CanonCs.LensType           Short      1  Tamron SP 24-70mm F/2.8 Di VC USD <--- Happiness
Exif.CanonCs.Lens              Short      3  24.0 - 70.0 mm
Exif.Canon.LensModel           Ascii      74  24-70mm
Exif.Photo.LensSpecification   Rational   4  24/1 70/1 0/1 0/1
Exif.Photo.LensModel           Ascii      8  24-70mm
Exif.Photo.LensSerialNumber    Ascii     11  0000000000
$
```

#4 - 01 Nov 2018 18:01 - Achim Kilchert

Great! Thanks. It works for exiv2. BUT Unfortunately: Darktable still sees a Sigma 24-70mm f/2.8 IF EX DG HSM, at least for existing images it has imported already. Also re-importing a folder didn't change the behaviour.

(By the way, how do I install the latest version of exiv2? I extracted it temporarily in some local folder.)

#5 - 01 Nov 2018 18:54 - Robin Mills

I don't think you can "install" exiv2 into darktable. You have to get a build of darktable that uses exiv2 v0.26. You'll have to check with their web-site. Or you may be able to build darktable with the exiv2 v0.26 sources. You can use the utility **lsuf** to find out which version of exiv2 is being used by darktable.

```
rmills@rmillmbp-ubuntu:~$ lsof | grep exiv2 | grep darktable
darktable 3583          rmills mem          REG          8,1  2676904      664173 /usr/lib/x86_64-l
inux-gnu/libexiv2.so.14.0.0
rmills@rmillmbp-ubuntu:~$
```

I've just installed darktable with \$ sudo apt install darktable and it's using libexiv2.so.14 which is Exiv2 v0.25. I straightened up the numbering with Exiv2 v0.26 and the library is libexiv2.so.26.

My Linux VM is Ubuntu 18.04 LTS and it was created a few weeks ago for Exiv2 v0.27 development. So it's mostly unpolliuted.

```
rmills@rmillmbp-ubuntu:/usr$ find . -type f | grep libexiv2 | grep -v -e share
./local/lib/libexiv2lib.so.0.27.0.1 <--- That's the Exiv2 v0.27 RC1 (which I'm developing)
./lib/x86_64-linux-gnu/libexiv2.so.14.0.0 <--- That's Exiv2 v0.25 (delivered by the Linux Gods)
rmills@rmillmbp-ubuntu:/usr$
```

I don't think I can say anything much more about this. You'll have to ask the folks at darktable (with whom I have a friendly working relationship).

#6 - 01 Nov 2018 19:16 - Achim Kilchert

Thanks a lot for your assistance. I'll try to forward the issue to the darktable guys. Hopefully they will launch another release soon. I'd assume they always include the latest libexiv2 libraries into their builds.

#7 - 01 Nov 2018 19:33 - Robin Mills

Hard to say. Pascal has been very active in back-porting Exiv2 changes into earlier versions. It's possible that libexiv2.14 (Exiv2 v0.25) has the code to read ~/.exiv2.

You'd be doing me a favor by downloading and using Exiv2 v0.27 RC 1 from <http://exiv2.dyndns.org> All feedback is helpful. It will not harm your existing darktable installation.

Files

_MG_2194.JPG	1.46 MB	01 Nov 2018	Achim Kilchert
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