

Exiv2 - Bug #1372

The lens "Tamron AF 18-200mm F3.5-6.3 XR Di II" is wrongly identified.

09 Oct 2018 13:00 - Julian Hofer

Status:	Closed	Start date:	09 Oct 2018
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	lens	Estimated time:	1.00 hour
Target version:	0.27		

Description

When I use exiv2 to identify the lens of a jpg-File, I get "Minolta/Sony AF DT 18-200mm F3.5-6.3 (D)" instead of "Tamron AF 18-200mm F3.5-6.3 XR Di II"

I've seen similar discussions, but these ended three years ago so I wanted to make sure this issue is reported.

Sample file is in the attachment.

Operating System is Ubuntu 18.04 with exiv2 0.25 001900 (64 bit build).

Camera is Sony SLT-A55V

History

#1 - 09 Oct 2018 13:55 - Robin Mills

- Category set to lens
- Status changed from New to Closed
- Assignee set to Robin Mills
- Target version set to 0.27
- % Done changed from 0 to 100
- Estimated time set to 1.00 h

Thanks for reporting this and providing a test image.

Good News! You can modify lens recognition in Exiv2 v0.26 and later using the file ~/.exiv2

```
504 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $ bin/exiv2 -pa --grep lens/i 2017-11-16%2013.23.26.jpg
Exif.Sony2.LensID          Long          1  Minolta/Sony AF DT 18-200mm F3.5-6.3 (D)
Exif.Photo.LensSpecification Rational      4  180/10 2000/10 35/10 63/10
Exif.Photo.LensModel      Ascii        21  DT 18-200mm F3.5-6.3
505 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $
```

Get the LensID value (an integer):

```
505 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $ bin/exiv2 -pv --grep lens/i 2017-11-16%2013.23.26.jpg
0xb027 Sony2          LensID          Long          1  42 <--- This value
0xa432 Photo          LensSpecification Rational      4  180/10 2000/10 35/10 63/10
0xa434 Photo          LensModel      Ascii        21  DT 18-200mm F3.5-6.3
506 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $
```

And put it into the (optional) file ~/.exiv2:

```
506 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $ cat ~/.exiv2
[sony]
42=Tamron AF 18-200mm F3.5-6.3 XR Di II
507 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $
```

And now the lens is correctly identified:

```
507 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $ bin/exiv2 -pa --grep lens/i 2017-11-16%2013.23.26.jpg
Exif.Sony2.LensID          Long          1  Tamron AF 18-200mm F3.5-6.3 XR Di II
Exif.Photo.LensSpecification Rational      4  180/10 2000/10 35/10 63/10
Exif.Photo.LensModel      Ascii        21  DT 18-200mm F3.5-6.3
508 rmills@rmillsmbp:~/gnu/github/exiv2/exiv2/build $
```

This feature is documented here: [http://dev.exiv2.org/projects/exiv2/wiki/Lens_Recognition_in_Exiv2_v026_\(and_later\)/](http://dev.exiv2.org/projects/exiv2/wiki/Lens_Recognition_in_Exiv2_v026_(and_later)/)

Lens recognition is troublesome because the manufacturers use different methods to record the lens in the metadata. To confound the problem, it's common with Sony/Minolta cameras to use the same LensID for more than one lens. In your case "42" is used by both Tamron and Sony for similar lenses. The "config file" feature was added in Exiv2 v0.26 to enable you to update lens recognition on your computer for your lenses.

Files

2017-11-16 13.23.26.jpg	3.32 MB	09 Oct 2018	Julian Hofer
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