

Exiv2 - Feature #1216

Detection of lens: AF-P DX Nikkor 18-55mm f/3.5-5.6G VR

29 Aug 2016 02:06 - Chris Benedict

Status:	Closed	Start date:	29 Aug 2016
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	lens	Estimated time:	1.00 hour
Target version:	0.26		

Description

This lens does not seem to be automatically detected:

```
$ exiv2 -pt DSC_0152.NEF | grep -ai lens
Exif.Nikon3.LensType          Byte      1  D G VR
Exif.Nikon3.Lens              Rational  4  18-55mm F3.5-5.6
Exif.Nikon3.LensFStops        Undefined  4  5.33333
Exif.NikonLd3.LensIDNumber    Byte      1  160
Exif.NikonLd3.LensFStops      Byte      1  F5.
```

http://www.nikon.com/news/2016/0105_lens_01.htm

Please let me know if there is anything else you need.

Associated revisions

Revision 4450 - 30 Aug 2016 16:05 - Robin Mills

#1216. Rollback r4448/6/2/1 r4439/38 to restabilize test suite on trunk. r4449 is copy of r4448 to branches/develop

History

#1 - 29 Aug 2016 04:43 - Robin Mills

- Status changed from New to Resolved
- Assignee set to Robin Mills
- Target version set to 0.26
- % Done changed from 0 to 100
- Estimated time set to 1.00 h

I've given up on lens detection. Manufacturers use the same lensID for more than one lens. This is discussed here: <http://dev.exiv2.org/issues/1212>

On the trunk, you can add your lens to the file ~/.exiv2 You need to know your lensID

```
636 rmills@rmillsmbp:~/gnu/exiv2/trunk $ exiv2 -pv --grep lens/i ~/Stonehenge.jpg
0x0083 Nikon3      LensType          Byte      1  14 <--- This number
0x0084 Nikon3      Lens              Rational  4  180/10 2500/10 35/10 63/10
0x008b Nikon3      LensFStops        Undefined  4  55 1 12 0
0x000c NikonLd3    LensIDNumber      Byte      1  146
0x000d NikonLd3    LensFStops        Byte      1  55
637 rmills@rmillsmbp:~/gnu/exiv2/trunk $
```

Put it into ~/.exiv2 (or c:\Users\username\exiv2.ini on MSVC/MinGW builds).

```
637 rmills@rmillsmbp:~/gnu/exiv2/trunk $ cat ~/.exiv2
[nikon]
14=Robin's Sigma Lens
```

```
638 rmills@rmillsmbp:~/gnu/exiv2/trunk $
```

Now your lens will be recognised.

```
638 rmills@rmillsmbp:~/gnu/exiv2/trunk $ exiv2 -pa --grep lens/i ~/Stonehenge.jpg
Exif.Nikon3.LensType          Byte      1  D G VR
Exif.Nikon3.Lens              Rational  4  18-250mm F3.5-6.3
Exif.Nikon3.LensFStops        Undefined  4  4.58333
```

```
Exif.NikonLd3.LensIDNumber      Byte      1  Robin's Sigma Lens
Exif.NikonLd3.LensFStops        Byte      1  F4.6
638 rmills@rmillsmbp:~/gnu/exiv2/trunk $
```

#2 - 30 Aug 2016 22:43 - Robin Mills

- Status changed from *Resolved* to *Closed*

[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)/)