

Exiv2 - Bug #1200

Support for Sigma 17-70mm F2.8-4 DC Macro OS HSM | C

09 Aug 2016 17:30 - Mathieu MD

Status:	Closed	Start date:	09 Aug 2016
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	lens	Estimated time:	0.00 hour
Target version:	0.26		
Description			
While calibrating this lens for LensFun I noticed that Exif.Photo.LensModel returns nothing:			
<pre>exiv2 -PEkt -g Exif.Photo.LensModel -g Exif.Photo.FocalLength -g Exif.Photo.FNumber DSC_2985.NEF Exif.Photo.FNumber F4 Exif.Photo.FocalLength 70.0 mm Exif.Photo.FocalLengthIn35mmFilm 105.0 mm</pre>			
However the Exif seems OK:			
<pre>exiftool DSC_2985.NEF grep -i lens Lens Type : G VR Lens : 17-70mm f/2.8-4 Lens Data Version : 0204 Lens ID Number : 142 Lens F Stops : 5.00 Lens ID : Sigma 17-70mm F2.8-4 DC Macro OS HSM C Lens : 17-70mm f/2.8-4 G VR</pre>			
<pre>exiv2 -pt DSC_2985.NEF grep -i lens Exif.Nikon3.LensType Byte 1 D G VR Exif.Nikon3.Lens Rational 4 17-70mm F2.8-4 Exif.Nikon3.LensFStops Undefined 4 5 Exif.NikonLd3.LensIDNumber Byte 1 Sigma 17-70mm F2.8-4 DC MACRO OS HSM C ontemporary Exif.NikonLd3.LensFStops Byte 1 F5.0</pre>			
I'm not sure if this is normal or not, or if there is really anything to do on Exiv2 side, but I guess that you experts will know.			
I attached a file made with this lens on a Nikon D5500.			
Lens maker URL: http://www.sigmaphoto.com/17-70mm-f28-4-dc-macro-os-hsm-c			
Related issues:			
Related to Exiv2 - Feature #1034: Camera accessory overflow file		Closed	19 Feb 2015

Associated revisions

Revision 4358 - 09 Aug 2016 20:55 - Robin Mills

#1200 and #1034. Adding support for ~/.exiv2 for Nikon Cameras.

History

#1 - 09 Aug 2016 20:37 - Robin Mills

- Status changed from New to Closed
- Assignee set to Robin Mills
- Target version set to 0.26
- % Done changed from 0 to 100

I think this is fixed on the trunk:

```
Exif.Nikon3.LensType      Byte      1  D G VR
```

```

Exif.Nikon3.Lens          Rational    4  17-70mm F2.8-4
Exif.Nikon3.LensFStops   Undefined  4  5
Exif.NikonLd3.LensIDNumber Byte       1  Sigma 17-70mm F2.8-4 DC MACRO OS HSM | C
Exif.NikonLd3.LensFStops Byte       1  F5.0
609 rmills@rmillssmbp:~/usr/local/bin $ exiv2 -pv --grep lens/i ~/Downloads/DSC_2985.NEF
0x0083 Nikon3           LensType   Byte      1  14
0x0084 Nikon3           Lens       Rational   4  170/10 700/10 28/10 40/10
0x008b Nikon3           LensFStops Undefined  4  60 1 12 0
0x000c NikonLd3         LensIDNumber Byte      1  142
0x000d NikonLd3         LensFStops Byte      1  60

```

The fix is in line 2108 of nikonmn.cpp

```

629 rmills@rmillssmbp:~/gnu/exiv2/trunk/src $ nl -b a nikonmn.cpp | grep -e "17-70mm F2.8-4 DC MACRO OS HSM"
 2108      {0x8E,0x3C,0x2B,0x5C,0x24,0x30,0x4B,0x0E,0x00,0x00,0x00, "Sigma", "", "17-70mm F2.8-4 DC MACRO OS HS
M | C"},
630 rmills@rmillssmbp:~/gnu/exiv2/trunk/src $

```

This was submitted by Niels in r4226:

```

630 rmills@rmillssmbp:~/gnu/exiv2/trunk/src $ svn blame nikonmn.cpp | grep -e "17-70mm F2.8-4 DC MACRO OS HSM"
 4226      nkbj {0x8E,0x3C,0x2B,0x5C,0x24,0x30,0x4B,0x0E,0x00,0x00,0x00, "Sigma", "", "17-70mm F2.8-4 DC MAC
RO OS HSM | C"},
631 rmills@rmillssmbp:~/gnu/exiv2/trunk/src $

```

Here's the log entry:

```

634 rmills@rmillssmbp:~/gnu/exiv2/trunk/src $ svn log --revision 4226 --verbose
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r4226 | nkbj | 2016-03-12 04:32:50 +0000 (Sat, 12 Mar 2016) | 1 line
Changed paths:
   M /trunk/src/canonmn.cpp
   M /trunk/src/nikonmn.cpp
   M /trunk/src/pentaxmn.cpp

```

Agreed with Phil Harvey (author of ExifTool) upon a nomenclature for Sigma lens families.

```

635 rmills@rmillssmbp:~/gnu/exiv2/trunk/src $

```

Files

DSC_2985.NEF	18 MB	09 Aug 2016	Mathieu MD
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