

## Exiv2 - Bug #1200

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

09 Aug 2016 17:30 - Mathieu MD

<b>Status:</b>	Closed	<b>Start date:</b>	09 Aug 2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robin Mills	<b>% Done:</b>	100%
<b>Category:</b>	lens	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.26		

#### Description

While calibrating this lens for [LensFun](#) I noticed that Exif.Photo.LensModel returns nothing:

```
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
```

However the Exif seems OK:

```
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
```

```
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 Contemporary
Exif.NikonLd3.LensFStops  Byte    1 F5.0
```

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@rmillsmbp: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@rmillsmbp:~/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 HSM | C"},
```

```
630 rmills@rmillsmbp:~/gnu/exiv2/trunk/src $
```

```
This was submitted by Niels in r4226: 630 rmills@rmillsmbp:~/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 MACRO OS HSM | C"},
```

```
631 rmills@rmillsmbp:~/gnu/exiv2/trunk/src $
```

```
Here's the log entry: 634 rmills@rmillsmbp:~/gnu/exiv2/trunk/src $ svn log --revision 4226 --verbose
```

```
-----
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@rmillsmbp:~/gnu/exiv2/trunk/src $
```

## Files

DSC\_2985.NEF

18 MB

09 Aug 2016

Mathieu MD