

Exiv2 - Feature #1252

Detect Sigma 120-300 EX on Canon

13 Nov 2016 11:13 - Markus Durzinsky

Status:	Closed	Start date:	13 Nov 2016
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	lens	Estimated time:	1.00 hour
Target version:	0.26		

Description

The list of Sigma lenses for Canon EOS is missing the Sigma 120-300mm f/2.8 EX APO DG OS HSM. It shares the same value 174 with the Sigma 150-500mm f/5-6.3 APO DG OS HSM and some other lenses.

I cannot provide a manufacturer link, as the lens is discontinued by Sigma and replaced by the new Art series 120-300.

Attached are sample images of the two 174 lenses I own. They are both correctly detected with the provided patch. For the lens name, I used the same name scheme as in the Sigma 70-200mm f/2.8 EX DG APO OS HSM, which also shares the 174 value in canonmn.cpp.

Associated revisions

Revision 4684 - 13 Nov 2016 11:51 - Robin Mills

#1252 Patch submitted. Thank You to Markus for the patch and test files. Test suite updated appropriately.

History

#1 - 13 Nov 2016 11:15 - Markus Durzinsky

Patched exiv2 results with the images.

```
> exiv2 -pv *sample1.jpg | grep LensType
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg 0x0016 CanonCs  LensType          Short   1 174
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg 0x0016 CanonCs  LensType          Short   1 174
> exiv2 -pt *sample1.jpg | grep LensType
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.LensType          Short   1 Sigma 120-300mm f/2.8 EX
APO DG OS HSM
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.LensType          Short   1 Sigma 150-500mm f/5-6.3 APO
DG OS HSM
```

#2 - 13 Nov 2016 11:56 - Robin Mills

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

Markus

Thanks for the patch. I have reviewed and submitted your patch as it passes the test suite. r4684.

Please read #1251 for a discussion about lens recognition in v0.26.

Thanks for the test image. Here's the behaviour before/after your patch: 645 rmills@rmillsmbp:~/gnu/exiv2/trunk \$ exiv2 -pa --grep lens/i

```
sigma_*.jpg
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.LensType      Short   1 174
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.Lens                 Short   3 120.0 - 300.0 mm
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Canon.LensModel              Ascii   74 120-300mm
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSpecification      Rational 4 120/1 300/1 0/1 0/1
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensModel              Ascii   10 120-300mm
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSerialNumber       Ascii   11 0000000000

sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.LensType      Short   1 Sigma 150-500mm f/5-6.3 APO
DG OS HSM
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.Lens                 Short   3 150.0 - 500.0 mm
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Canon.LensModel              Ascii   74 150-500mm
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSpecification      Rational 4 150/1 500/1 0/1 0/1
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensModel              Ascii   10 150-500mm
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSerialNumber       Ascii   11 0000000000
646 rmills@rmillsmbp:~/gnu/exiv2/trunk $ makes
make
warning: no debug symbols in executable (-arch x86_64)
 20 423 6304
sudo make install
 108 602 8275
647 rmills@rmillsmbp:~/gnu/exiv2/trunk $ exiv2 -pa --grep lens/i sigma_*.jpg
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.LensType      Short   1 Sigma 120-300mm f/2.8 EX
APO DG OS HSM
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.Lens                 Short   3 120.0 - 300.0 mm
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Canon.LensModel              Ascii   74 120-300mm
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSpecification      Rational 4 120/1 300/1 0/1 0/1
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensModel              Ascii   10 120-300mm
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSerialNumber       Ascii   11 0000000000

sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.LensType      Short   1 Sigma 150-500mm f/5-6.3 APO
DG OS HSM
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.CanonCs.Lens                 Short   3 150.0 - 500.0 mm
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Canon.LensModel              Ascii   74 150-500mm
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSpecification      Rational 4 150/1 500/1 0/1 0/1
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensModel              Ascii   10 150-500mm
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg Exif.Photo.LensSerialNumber       Ascii   11 0000000000
648 rmills@rmillsmbp:~/gnu/exiv2/trunk $
```

I've extracted the metadata from your test images and added them to our test suite as test/data/exiv2-bug1252a.exv and test/data/exiv2-bug1252b.exv

```
: 648 rmills@rmillsmbp:~/gnu/exiv2/trunk $ exiv2 -ea --verbose --force sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg
File 1/1: sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg
Writing Exif data from sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg to
./sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.exv
Writing XMP data from sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg to
./sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.exv
```

```
649 rmills@rmillsmbp:~/gnu/exiv2/trunk $ mv sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.exv test/data/exiv2-bug1252a.exv
```

```
650 rmills@rmillsmbp:~/gnu/exiv2/trunk $ exiv2 -ea --verbose --force sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg
```

```
File 1/1: sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg
```

```
Writing Exif data from sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg to
```

```
./sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.exv
```

```
Writing XMP data from sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg to
```

```
./sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.exv
```

```
651 rmills@rmillsmbp:~/gnu/exiv2/trunk $ mv sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.exv test/data/exiv2-bug1252b.exv
```

I've update the test suite appropriately as a "regression detector" should your patch be broken by a future change in canonmn.cpp.

Thank you for using Exiv2 and contributing to its development.

<http://exiv2.org/Exiv2Logo.png>

Robin

Files

sigma_120_300_ex.patch	762 Bytes	13 Nov 2016	Markus Durzinsky
sigma_120_300_2.8_EX_APO_DG_OS_HSM_sample1.jpg	682 KB	13 Nov 2016	Markus Durzinsky
sigma_150_500_5_6.3_APO_DG_OS_HSM_sample1.jpg	663 KB	13 Nov 2016	Markus Durzinsky