

## Exiv2 - Patch #839

### Canon EOS M EF-M lenses

21 Aug 2012 10:59 - Pascal de Bruijn

<b>Status:</b> Closed	<b>Start date:</b> 21 Aug 2012
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> Robin Mills	<b>% Done:</b> 100%
<b>Category:</b> metadata	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 0.25	

**Description**

Hi,

I found some images samples using the new EOS M/EF-M lenses:

<http://web.canon.jp/imaging/eosd/samples/eosm/downloads/01.jpg>

```
pmjdebruijn@brutus:~$ exiv2 -pt 01.jpg | grep -i lens
Exif.CanonCs.LensType          Short   1 (4145)
Exif.CanonCs.Lens              Short   3 22.0 mm
Exif.Canon.LensModel           Ascii   74 EF-M22mm f/2 STM◆◆d
Exif.Photo.LensSpecification    Rational 4 22/1 22/1 0/1 0/1
Exif.Photo.LensModel           Ascii   17 EF-M22mm f/2 STM
Exif.Photo.LensSerialNumber     Ascii   11 000000002d
```

My suggestion: Canon EF-M 22mm f/2 STM

<http://web.canon.jp/imaging/eosd/samples/eosm/downloads/09.jpg>

```
pmjdebruijn@brutus:~$ exiv2 -pt 09.jpg | grep -i lens
Exif.CanonCs.LensType          Short   1 (4143)
Exif.CanonCs.Lens              Short   3 18.0 - 55.0 mm
Exif.Canon.LensModel           Ascii   74
EF-M18-55mm f/3.5-5.6 IS STM◆◆◆
Exif.Photo.LensSpecification    Rational 4 18/1 55/1 0/1 0/1
Exif.Photo.LensModel           Ascii   29
EF-M18-55mm f/3.5-5.6 IS STM
Exif.Photo.LensSerialNumber     Ascii   11 0000000000
```

My suggestion: Canon EF-M 18-55mm f/3.5-5.6 IS STM

I've attached a patch adding these.

(PS, maybe it's a good idea to add a category "lens recognition"?)

**Related issues:**

Related to Exiv2 - Bug # 876: New lens: Canon EF 35mm f/2 IS USM	<b>Closed</b>	<b>11 Jan 2013</b>
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### History

#1 - 29 Jan 2013 13:05 - Pascal de Bruijn

- File eosm.diff added

Here's an updated patch against current svn.

**#2 - 29 Jan 2013 21:06 - Robin Mills**

- Category changed from *exif* to *metadata*
- Status changed from *New* to *Assigned*
- Assignee set to *Robin Mills*

Thanks for sending this, Pascal. I'll add them to the test suite at the week-end.

I think we need a category "maker note updates". I use "metadata" for this kind of thing. I believe the forum is maintained by Brad.

I see an obvious issue here with the

```
Exif.Canon.LensModel          Ascii   74 EF-M22mm f/2 STM◆◆d
```

I've seen this before. The LensModel is an ascii string of 74 bytes. However in reality it is null-terminated and although there are 74 bytes allocated, we should only ascii-print up to the nul byte. I tried a generic fix (all ascii strings are treated as NUL terminated) for this and the test suite reported a unicode issues - so I didn't submit. I'll revisit this.

Robin

**#3 - 24 Jul 2013 15:57 - Robin Mills**

- Target version changed from *0.24* to *0.25*

Deferred to 0.25.

**#4 - 09 Jan 2015 19:46 - Robin Mills**

- Status changed from *Assigned* to *Resolved*

I think this has been fixed:

```
530 rmills@rmillsmm:~/Downloads $ exiv2 -pa -g Lens http://web.canon.jp/imaging/eosd/samples/eosm2/downloads/09.jpg
Exif.CanonCs.LensType          Short    1 Canon EF-M 22mm f/2 STM
Exif.CanonCs.Lens              Short    3 22.0 mm
Exif.Canon.LensModel           Ascii   74 EF-M22mm f/2 STM
Exif.Photo.LensSpecification    Rational 4 22/1 22/1 0/1 0/1
Exif.Photo.LensModel           Ascii   17 EF-M22mm f/2 STM
Exif.Photo.LensSerialNumber     Ascii   11 000000f5c6
531 rmills@rmillsmm:~/Downloads $
```

**#5 - 08 May 2015 16:22 - Robin Mills**

- % Done changed from *0* to *100*

**#6 - 21 Jun 2015 16:42 - Andreas Huggel**

- Status changed from *Resolved* to *Closed*

**Files**

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exiv2-canon-eos-m-lenses.patch	910 Bytes	21 Aug 2012	Pascal de Bruijn
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