

## 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		
<b>Description</b>			
Hi,			
I found some images samples using the new EOS M/EF-M lenses:			
<a href="http://web.canon.jp/imaging/eosd/samples/eosm/downloads/01.jpg">http://web.canon.jp/imaging/eosd/samples/eosm/downloads/01.jpg</a>			
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			
<a href="http://web.canon.jp/imaging/eosd/samples/eosm/downloads/09.jpg">http://web.canon.jp/imaging/eosd/samples/eosm/downloads/09.jpg</a>			
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"?)			
<b>Related issues:</b>			
Related to Exiv2 - Bug #876: New lens: Canon EF 35mm f/2 IS USM		<b>Closed</b>	<b>11 Jan 2013</b>

### 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

exiv2-canon-eos-m-lenses.patch	910 Bytes	21 Aug 2012	Pascal de Bruijn
eosm.diff	844 Bytes	29 Jan 2013	Pascal de Bruijn