

## Exiv2 - Feature #1191

### New lens request

09 Jun 2016 02:39 - Yvi San

<b>Status:</b>	Closed	<b>Start date:</b>	09 Jun 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>	1.00 hour
<b>Target version:</b>	0.26		
<b>Description</b>			
exiv2 -pt IMG_8087.CR2   grep -ai lens			
Exif.CanonCs.LensType           Short    1 161			
Exif.CanonCs.Lens               Short    3 100.0 mm			
Exif.Canon.LensModel            Ascii   74 100mm			
Exif.Photo.LensSpecification    Rational 4 100/1 100/1 0/1 0/1			
Exif.Photo.LensModel            Ascii   6 100mm			
Exif.Photo.LensSerialNumber     Ascii   11 0000000000			
Lens name: Tokina AT-X M100 AF PRO D 100mm F2.8 Macro			
Link to product page: <a href="http://www.tokinalens.com/tokina/products/atxpro/atxm100afprod/">http://www.tokinalens.com/tokina/products/atxpro/atxm100afprod/</a>			
Low resolution JPG file attached. I had white balance bracketing on. Let me know if you need another pic.			

### History

#### #1 - 09 Jun 2016 08:13 - 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 h

There is no fix, however there is a work-around. Canon record LensType 161 for your lens.

We know of at least 8 other lenses with LensType 161. In v0.26 (currently on the trunk), you can add a file called the "**camera override file**" to provide the definition. This file is in Windows/.ini format and located at `~/.exiv2` on Linux/Mac and `c:\Users\username\exiv2.ini` on Windows. The section **[canon]** is required for your camera and the entry **161=Tokina AT-X M100 AF PRO D 100mm F2.8 Macro** defines your lens.

```
588 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $ exiv2 -pa --grep lens/i IMG_8401.JPG
Exif.CanonCs.LensType           Short    1 161
Exif.CanonCs.Lens               Short    3 100.0 mm
Exif.Canon.LensModel            Ascii   74 100mm
Exif.Photo.LensSpecification    Rational 4 100/1 100/1 0/1 0/1
Exif.Photo.LensModel            Ascii   6 100mm
Exif.Photo.LensSerialNumber     Ascii   11 0000000000
589 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $ ce src/canonmn.cpp
bbedit "src/canonmn.cpp"
```

```
590 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $ bbedit ~/.exiv2
```

```
591 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $ cat ~/.exiv2
[canon]
161=Tokina AT-X M100 AF PRO D 100mm F2.8 Macro
```

```
592 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $ exiv2 -pa --grep lens/i IMG_8401.JPG
Exif.CanonCs.LensType           Short    1 Tokina AT-X M100 AF PRO D 100mm F2.8 Macro
Exif.CanonCs.Lens               Short    3 100.0 mm
Exif.Canon.LensModel            Ascii   74 100mm
Exif.Photo.LensSpecification    Rational 4 100/1 100/1 0/1 0/1
Exif.Photo.LensModel            Ascii   6 100mm
Exif.Photo.LensSerialNumber     Ascii   11 0000000000
```

```
593 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $
```

**Exiftool** cannot recognise this lens uniquely either.

```
593 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $ exiftool IMG_8401.JPG | grep -i lens
Lens Type           : Canon EF 28-70mm f/2.8L or Sigma or Tamron Lens
Lens Info           : 100mm f/0
Lens Model          : 100mm
Lens Serial Number  : 0000000000
Lens                : 100.0 mm
Lens ID             : Unknown (161) 100mm
Lens                : 100.0 mm (35 mm equivalent: 157.7 mm)
594 rmills@rmillsmbp:~/gnu/exiv2/bigtiff $
```

Because the **"camera override file"** file is in your home directory, all applications using libexiv2 will read the file. GIMP, Darktable and other applications will all read this file when v0.26 ships and in use by those applications.

## Files

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IMG_8401.JPG	6.38 MB	09 Jun 2016	Yvi San
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