

## Exiv2 - Feature #1145

### Respect Sony/Minolta lenses with shared LensID such as Tamron SP AF 17-50mm F2.8 XR Di II LD

27 Dec 2015 10:44 - Robin Mills

<b>Status:</b>	Closed	<b>Start date:</b>	27 Dec 2015
<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>	10.00 hours
<b>Target version:</b>	0.26		
<b>Description</b>			
This arose during the investigation of <a href="#">#1143</a> and is discussed in <a href="#">#1143</a> and <a href="#">#816</a> . Fix submitted: <a href="#">r4148</a>			
<b>Related issues:</b>			
Related to Exiv2 - Bug #1143: Unable to extract embedded preview from jpg for...		<b>Closed</b>	<b>24 Dec 2015</b>
Related to Exiv2 - Bug #1144: Sigma 10-20mm f/4-5.6 EX DC is detected as Tama...		<b>Closed</b>	<b>26 Dec 2015</b>
Related to Exiv2 - Feature #816: Enable detection of Sigma 55-200mm lens		<b>Closed</b>	<b>18 Mar 2012</b>

#### Associated revisions

##### Revision 4148 - 27 Dec 2015 10:44 - Robin Mills

#1145. Fix submitted.

I haven't submitted a change to the test suite at this time, however I'll do that when I resolve #1143.

##### Revision 4149 - 27 Dec 2015 11:28 - Robin Mills

#1145. Added resolveLensTypeUsingExiftool(). This code is not in service for reasons mentioned in the code.

##### Revision 4150 - 27 Dec 2015 12:01 - Robin Mills

#1145. Correction to r4149 to fix msvc build-breaker.

##### Revision 4154 - 28 Dec 2015 10:47 - Robin Mills

#1145. Thank You, Michael for providing the test files. I will extract the metadata from your files and add it to the test suite after you have tested this code.

##### Revision 4158 - 31 Dec 2015 09:27 - Robin Mills

#1145 Test harness update.

#### History

##### #1 - 27 Dec 2015 11:32 - Robin Mills

- Estimated time changed from 2.00 h to 3.00 h

I've added a function resolveLensTypeUsingExiftool() to handle this. I've debugged it. I'm not going to put this into service at this time for the following reasons:

1. we don't know the path to the file being processed
2. can't work for a remote file as exiftool doesn't handle remote IO
3. almost certainly throws an ugly ugly dos box on the screen in Windows
4. I haven't asked Phil's permission to do this

##### #2 - 27 Dec 2015 16:21 - Robin Mills

- File tamron.tgz added

From Michael on [#1143](#):

I have taken some sample shots with all my tamron lenses (appended as tar ball). I have chosen the lowest resolution available, but the jpegs still occupy at least 2MB:-)

The lenses are  
Tamron SP AF 11-18mm F4.5-5.6 Di II LD  
Tamron SP AF 17-50mm F2.8 XR Di II LD Aspherical

Tamron AF 18-200mm F3.5-6.3 XR Di II LD Macro  
Tamron SP AF 70-300mm F4-5.6 Di USD  
Tamron SP AF 90mm F2.8 Di Macro 1:1  
and the jpegs have the focal length in their names.

Thanks for considering Tamron lenses to be recognized by exiv2,  
Michael

I've attached Michael's bundle: <http://dev.exiv2.org/attachments/download/873/tamron.tgz>

### #3 - 27 Dec 2015 16:31 - Robin Mills

- *Tracker changed from Bug to Feature*
- *Status changed from Resolved to Assigned*
- *% Done changed from 100 to 30*
- *Estimated time changed from 3.00 h to 10.00 h*

### #4 - 28 Dec 2015 10:50 - Robin Mills

- *% Done changed from 30 to 80*

Fix submitted. [r4156](#)

Michael:

Can you test this on your library of images. I'm sure we'll find something else to fix. However it's close. Here's the output from your test files:

```
$ for i in ~/Downloads/tamron/* ; do echo ---- $i ---- ; exiv2 -pa --grep LensID $i 2>/dev/null ; done
---- ~/Downloads/tamron/Tamron11-18.jpg ----
Exif.Sony1.LensID      Long      1 Tamron SP AF 11-18mm F4.5-5.6 Di II LD Aspherical IF
---- ~/Downloads/tamron/Tamron17-55.jpg ----
Exif.Sony1.LensID      Long      1 Tamron SP AF 17-50mm F2.8 XR Di II LD Aspherical <---- is it 50 or 5
5?
---- ~/Downloads/tamron/Tamron18-200.jpg ----
Exif.Sony1.LensID      Long      1 Tamron AF 18-200mm F3.5-6.3 XR Di II LD Aspherical [IF] Macro
---- ~/Downloads/tamron/Tamron70-300.jpg ----
Exif.Sony1.LensID      Long      1 Tamron SP 70-300mm F4-5.6 Di USD
---- ~/Downloads/tamron/Tamron90.jpg ----
Exif.Sony1.LensID      Long      1 Tamron SP AF 90mm F2.8 Di Macro
```

After you've tested this, I will extract the metadata from your test files and add it to our test suite as a regression detector. And then we'll be done with [#1145](#).

We're not done on [#1143](#) which is the mysterious Preview. I'm not going to work on that today - however I hope to resolve that in 2015!

### #5 - 31 Dec 2015 09:31 - Robin Mills

- *Status changed from Assigned to Resolved*
- *% Done changed from 80 to 100*

Submitted test harness update: [r4159](#). I've set the status to 100%/Resolved which means that I don't intend to do any further work on this.

Michael:

If you find anything relating to this (and I expect you will), please update this issue report and I will investigate. I'll change the status to 'Closed' before we ship v0.26.

### #6 - 13 Jan 2016 19:16 - Robin Mills

- *Status changed from Resolved to Closed*

## Files

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tamron.tgz	11.2 MB	27 Dec 2015	Robin Mills
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