

## Exiv2 - Bug #830

### Bug while displaying camera make and camera model with exiv2 0.23

24 Jun 2012 14:03 - C D

<b>Status:</b>	Closed	<b>Start date:</b>	24 Jun 2012
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robin Mills	<b>% Done:</b>	0%
<b>Category:</b>	metadata	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.24		
<b>Description</b>			
Hello,			
Using "exiv2 pr" on files produced by my camera (see e.g. attached file b.jpg), I get the following output:			
<pre>Camera make      : Targa GmbHDigital Cam%x Camera model    : Digital Cam%x.%04x</pre>			
I guess that the appearance of %x is a bug. In comparison, jhead 2.87 outputs:			
<pre>Camera make     : Targa GmbH Camera model    : Digital Cam</pre>			
This was tested with exiv2 v.0.23 64 bits under Mac OS X 10.6.			
HTH; best wishes			

#### History

##### #1 - 24 Jun 2012 14:04 - C D

The bug was also present with exiv2 v.0.22.

##### #2 - 09 Sep 2012 18:43 - Robin Mills

- Status changed from New to Resolved

- Assignee set to Robin Mills

Thanks for reporting this and for attaching the file to this report.

I'm not convinced that this is a bug. I'm more suspicious of the metadata in the image. And let me explain my thoughts. At first inspection your issue looks valid (I'm running on cygwin - however I don't suspect this is platform related).

```
538 rmills@rmills-laptop:~/temp $ exiftool b.jpg | grep -e Camera
Camera Model Name      : Digital Cam
File Source            : Digital Camera
539 rmills@rmills-laptop:~/temp $ exiv2 -pa b.jpg | grep -e 'Exif.Image.Model' -e 'Exif.Image.Make'
Exif.Image.Make       Ascii   26 Targa GmbHDigital Cam%x
Exif.Image.Model      Ascii   19 Digital Cam%x.%04x
540 rmills@rmills-laptop:~/temp $
```

Ah! However you'll notice that Exif.Image.Make is 26 bytes and Exif.Image.Model is 19! When I dump the output using od -a, I see:

```
540 rmills@rmills-laptop:~/temp $ exiv2 -pa b.jpg | grep -e 'Exif.Image.Model' | od -a
0000000 E x i f . I m a g e . M o d e l
0000020 sp sp sp sp sp sp sp sp sp sp sp sp sp sp sp sp
0000040 sp sp sp sp sp sp sp sp sp sp sp sp sp A s c
0000060 i i sp sp sp sp sp sp 1 9 sp sp D i g i
0000100 t a l sp C a m n u l % x . % 0 4 x n l
0000120
541 rmills@rmills-laptop:~/temp $ exiv2 -pa b.jpg | grep -e 'Exif.Image.Make' | od -a
0000000 E x i f . I m a g e . M a k e sp
0000020 sp sp sp sp sp sp sp sp sp sp sp sp sp sp sp sp
0000040 sp sp sp sp sp sp sp sp sp sp sp sp sp A s c
0000060 i i sp sp sp sp sp sp 2 6 sp sp T a r g
0000100 a sp G m b H n u l n u l D i g i t a l sp
0000120 C a m n u l % x n l
```

0000127  
542 rmills@rmills-laptop:~/temp \$

Conclusion:

The metadata includes nul bytes. exiftool has treated nul as the end of string and exiv2 has reported it.

If you disagree with my analysis, please voice your concern and I will investigate further.

**#3 - 24 Jul 2013 15:28 - Robin Mills**

- *Status changed from Resolved to Closed*

- *Target version set to 0.24*

Fixed in 0.24.

**Files**

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b.jpg	8.11 KB	24 Jun 2012	C D
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