

## Exiv2 - Bug #1283

### Exiv2 crash when Pentax makernote tags parser being used

10 Mar 2017 06:17 - Wil Cowb

<b>Status:</b>	Closed	<b>Start date:</b>	10 Mar 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robin Mills	<b>% Done:</b>	100%
<b>Category:</b>	makernote	<b>Estimated time:</b>	1.00 hour
<b>Target version:</b>	0.26		

**Description**

It looks like some of the metadata created by Pentax K-S1 might not be supported very well by Exiv2.

More details can be found here:  
[https://bugs.kde.org/show\\_bug.cgi?id=377432](https://bugs.kde.org/show_bug.cgi?id=377432)

exiv2 called via API by digiKam (<https://cgit.kde.org/digikam.git/tree/libs/dmetadata>)

Exiv2 0.26-svn

Sample image attached.

### History

#### #1 - 10 Mar 2017 06:50 - Robin Mills

- Category set to makernote
- Assignee set to Robin Mills

Same comments as [#1281](#)

#### #2 - 10 Mar 2017 06:50 - Robin Mills

- Status changed from New to Assigned

#### #3 - 10 Mar 2017 07:54 - Robin Mills

- Status changed from Assigned to Resolved
- % Done changed from 0 to 100
- Estimated time set to 1.00 h

No crash here with Exiv2 v0.26 RC [r4726](#):

```
671 rmills@rmillsmm:~/gnu/exiv2/trunk $ exiv2 -vVg svn
exiv2 0.26 001900 (64 bit build)
svn=4726
672 rmills@rmillsmm:~/gnu/exiv2/trunk $ ls -alt ~/Downloads/2*
-rw-r--r--+ 1 rmills staff 9720902 Mar 10 07:45 /Users/rmills/Downloads/20161226_152600_393.JPG
673 rmills@rmillsmm:~/gnu/exiv2/trunk $ exiv2 -pa --grep Pentax ~/Downloads/2*
Exif.PentaxDng.Version          Byte      4  11.3.0.0
Exif.PentaxDng.Mode             Short     1  Auto
Exif.PentaxDng.ModelID          Long      1  K-S1
Exif.PentaxDng.Date             Undefined 4  2016:12:26
Exif.PentaxDng.Time             Undefined 3  15:26:00
Exif.PentaxDng.Quality          Short     1  Best
Exif.PentaxDng.Flash            Short     2  Off, Did not fire
Exif.PentaxDng.Focus            Short     1  (273)
Exif.PentaxDng.AFPoint          Short     2  Auto
Exif.PentaxDng.AFPointInFocus  Long      1  (16)
Exif.PentaxDng.ExposureTime     Long      1  1.25 ms
Exif.PentaxDng.FNumber          Short     1  F8
Exif.PentaxDng.ISO              Short     1  500
Exif.PentaxDng.ExposureCompensation SShort   1  0 EV
Exif.PentaxDng.MeteringMode     Short     1  Multi Segment
Exif.PentaxDng.AutoBracketing   Short     2  0 EV (No extended bracketing)
Exif.PentaxDng.WhiteBalance     Short     1  Auto
```

```

Exif.PentaxDng.FocalLength      Long      1  55.0 mm
Exif.PentaxDng.Saturation       Short     1  Normal
Exif.PentaxDng.Contrast         Short     1  Normal
Exif.PentaxDng.Sharpness        Short     1  Med Hard
Exif.PentaxDng.DSPFirmwareVersion Undefined  4  254 255 255 253
Exif.PentaxDng.EffectiveLV      Short     1  13696
Exif.PentaxDng.ImageProcessing  Undefined  4  Unprocessed
Exif.PentaxDng.PictureMode      Byte      3  Unknown (0x000801)
Exif.PentaxDng.DriveMode        Byte      4  Continuous
Exif.PentaxDng.ColorSpace       Short     1  sRGB
Exif.PentaxDng.LensType         Byte      4  smc PENTAX-DA L 18-55mm F3.5-5.6
Exif.PentaxDng.SensitivityAdjust Short     1  50
Exif.PentaxDng.DigitalFilter    Short     1  Off
Exif.PentaxDng.Temperature      SByte    1  4 C
Exif.PentaxDng.AELock          Short     1  Off
Exif.PentaxDng.NoiseReduction   Short     1  Off
Exif.PentaxDng.FlashExposureCompensation SByte    2  0 EV
Exif.PentaxDng.ImageTone        Short     1  Bright
Exif.PentaxDng.ColorTemperature Short     1  0
Exif.PentaxDng.ShakeReduction   Byte      2  0 7
Exif.PentaxDng.ShutterCount     Undefined  4  3343
Exif.PentaxDng.DynamicRangeExpansion Undefined  4  Unknown (0x00020000)
Exif.PentaxDng.HighISONoiseReduction Byte      2  (255 0)
Exif.PentaxDng.AFAdjustment     SShort    1  0
Exif.PentaxDng.BlackPoint       Short     4  64 64 64 64
Exif.PentaxDng.WhitePoint       Short     4  18848 8192 8192 13600
Exif.PentaxDng.ShotInfo         Undefined  34  0 8 0 2 2 6 0 0 64 0 32 1 0 49 101 69 64 11 4 16 0
12 128 3 3 0 0 0 0 0 0 0 0 0 0
Exif.PentaxDng.AEInfo           Undefined  48  2 77 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 145 116 50 64 0 0
64 0 0 0 8 108 108 152 168 0 0 10 50 12 0 0 0 0 0 0 0 0 0 0 0
Exif.PentaxDng.LensInfo         Undefined  128  0 135 240 82 0 222 1 170 3 0 0 0 0 0 0 0 40 214 19
69 116 38 143 33 89 171 96 48 1 81 124 251 255 255 255 222 33 118 40 140 32 154 8 0 0 0 0 0 191 240 222 128 0
156 2 0 0 0 0 0 0 0 0 3 207 151 15 32 151 243 243 222 4 4 192 15 249 12 3 164 136 102 66 0 16 0 0 0 0 0 8 2
34 107 90 161 33 148 39 15 153 24 162 34 224 57 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Exif.PentaxDng.FlashInfo       Undefined  36  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 15 63 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 1
Exif.PentaxDng.AEMeteringSegments Undefined  77  148 149 146 148 152 152 151 149 150 148 147 154 15
4 153 153 154 154 154 154 157 159 153 154 152 153 153 154 154 154 155 157 159 153 153 153 154 154 153 155
158 160 162 164 153 153 153 153 154 154 155 155 154 155 155 153 152 153 153 153 154 154 153 154 153 154 153 15
3 152 153 153 152 153 153 152 152 153
Exif.PentaxDng.FlashADump       Undefined  77  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Exif.PentaxDng.FlashBDump       Undefined  77  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Exif.PentaxDng.CameraInfo       Long      5  77850 20140927 2 1 7016544
Exif.PentaxDng.BatteryInfo      Undefined  20  242 80 3 35 2 249 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Exif.PentaxDng.AFInfo          Undefined  1024  (Binary value suppressed)
Exif.PentaxDng.ColorInfo       Undefined  18  123 32 120 31 137 31 140 32 180 32 122 32 131 31 1
41 31 0 0
Exif.PentaxDng.SerialNumber     Ascii     20  6038491
674 rmills@rmillsmm:~/gnu/exiv2/trunk $

```

**#4 - 10 Mar 2017 19:05 - Robin Mills**

- Status changed from Resolved to Closed

**Files**

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20161226_152600_393.JPG	9.27 MB	10 Mar 2017	Wil Cowb
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