

## Exiv2 - Bug #1322

### Exception in PentaxMakerNote::printShutterCount, source: pentaxmn.cpp

03 Oct 2017 18:59 - Norbert Wagner

<b>Status:</b>	Closed	<b>Start date:</b>	03 Oct 2017
<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>	1.00 hour
<b>Target version:</b>	0.27		

**Description**

I modified the exifprint, replacing `i->value()` with `i->print()`. In general works fine, but with images from Pentax K5 it runs into an exception when calling `PentaxMakerNote::printShutterCount`.

I compiled the project with Microsoft Visual Studio Community 2015

Here the code block with my modification:

```
Exiv2::ExifData::const_iterator end = exifData.end();
for (Exiv2::ExifData::const_iterator i = exifData.begin(); i != end; ++i) {
    const char* tn = i->typeName();
    std::cout << std::setw(44) << std::setfill(' ') << std::left
    << i->key() << " "
    << "0x" << std::setw(4) << std::setfill('0') << std::right
    << std::hex << i->tag() << " "
    << std::setw(9) << std::setfill(' ') << std::left
    << (tn ? tn : "Unknown") << " "
    << std::dec << std::setw(3)
    << std::setfill(' ') << std::right
    << i->count() << " "
    // replace << std::dec << i->value()
    << std::dec << i->print()
    // end of change
    << "\n";
}
```

## History

### #1 - 05 Oct 2017 12:35 - Robin Mills

- Category set to metadata
- Status changed from New to Assigned
- Assignee set to Robin Mills
- Target version set to 0.27

Thanks for reporting this. I'm on vacation at the moment and I've gone down with a (medical) virus. I'll try to investigate this soon. If I forget, you are welcome to "ping" me by asking for an update on this issue in a couple of weeks.

### #2 - 13 Oct 2017 13:54 - Robin Mills

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

Good News. This is a known issue and fixed on master. It's [#1305](#)

The fix is in `pentaxmn.cpp` #1170:

```
std::ostream& PentaxMakerNote::printShutterCount(std::ostream& os, const Value& value, const ExifData* metadata)
{
    if (!metadata) return os << "undefined";

    ExifData::const_iterator dateIt = metadata->findKey(
```

```
ExifKey("Exif.PentaxDng.Date");  
....
```

When I apply the fix, here's the output:

```
C:\Users\rmills\gnu\exiv2\0.26\msvc\bin\win32\release>exifprint.exe ..\..\..\Pentax-K5.jpg | grep -i shut  
Exif.Pentax.ShutterCount          0x005d Undefined    4  undefined  
  
C:\Users\rmills\gnu\exiv2\0.26\msvc\bin\win32\release>
```

### #3 - 15 Oct 2017 18:19 - Norbert Wagner

thanks for the fast response, is working now.

#### Files

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Pentax-K5.jpg	80.4 KB	03 Oct 2017	Norbert Wagner
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