
Subject: need some help reading dng files.

Posted by [fututre.keyboard](#) on Mon, 01 Apr 2013 23:02:53 GMT

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Hi, Folks

I have some camera raw files in DNG format that I would like to be able to read in IDL. I read that DNG is an open format and is a special kind of TIFF. But I don't really know how to make use of the adobe DNG specification and import the raw data. I tried `query_tiff` and `read_tiff` and I can get some information but they are mostly wrong and I don't get any useful data. Any hints? Thanks and have a nice day!

Eugene

```
IDL8.2> print,query_tiff(imfn,info)
```

```
% Loaded DLM: TIFF.
```

```
1
```

```
IDL8.2> help, info
```

```
** Structure <110f5160>, 18 tags, length=144, data length=132, refs=1:
```

```
CHANNELS      LONG      3
DIMENSIONS    LONG      Array[2]
HAS_PALETTE   INT       0
IMAGE_INDEX   LONG      0
NUM_IMAGES    LONG      1
PIXEL_TYPE    INT       1
TYPE          STRING    'TIFF'
BITS_PER_SAMPLE LONG    8
ORIENTATION   LONG      1
PLANAR_CONFIG LONG      1
PHOTOMETRIC   LONG      2
POSITION      FLOAT     Array[2]
RESOLUTION    FLOAT     Array[2]
UNITS         LONG      2
TILE_SIZE     LONG      Array[2]
DESCRIPTION   STRING    ""
DOCUMENT_NAME STRING    ""
DATE_TIME     STRING    '2013:03:31 10:15:53'
```

```
IDL8.2> imdata=read_tiff(imfn)
```

```
% READ_TIFF: Incorrect count for "DNGPrivateData"; tag ignored
```

```
% Execution halted at: $MAIN$          1 E:\Users\eugene\IDLWorkspace\idl_source\demo.pro
```

```
IDL8.2> print, info.POSITION
```

```
0.000000  0.000000
```

```
IDL8.2> print,info.resolution
```

```
300.000  300.000
```

```
IDL8.2> print,info.tile_size
```

```
160      1
```

```
IDL8.2> print, info.dimensions
```

```
160      120
```

Subject: Re: need some help reading dng files.

Posted by [David Fanning](#) on Wed, 10 Apr 2013 22:19:30 GMT

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future.keyboard@gmail.com writes:

> Thank you, Craig! Dcraw works but I am still trying to avoid intermediate files. -Eugene

"Get used to disappointment."

William Goldman, The Princess Bride

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
