

Exiv2 - Patch #676

Patch for reading ICC color profiles

26 Jan 2010 19:07 - Andreas Huggel

Status:	Closed	Start date:	26 Jan 2010
Priority:	Normal	Due date:	
Assignee:	Robin Mills	% Done:	100%
Category:	metadata	Estimated time:	0.00 hour
Target version:	0.26		
Description			
Contributed by Joachim Gelhaus, Cewe Color:			
The attached patch adds the ability to read ICC color profile out of the JPEG APP2 marker as just a bunch of bytes.			
Some notes:			
<ul style="list-style-type: none">- All modified sections are marked with an <code>#ifdef JGE_ICC_PATCHES</code> which is defined in the <code>exv_conf.h</code> file.- Class <code>ICCColorProfile</code> has been added to <code>types.h</code> (just a simple wrapper to a <code>byte*</code>. Similar to <code>DataBuf</code>)- <code>JpegBase</code> got two new static const members: <code>app2_</code> and <code>icclD_[]</code>- The <code>Image</code> class has two new functions: <code>setIccData(const ICCColorProfile & newIccData);</code> and <code>ICCColorProfile& iccData() { return iccData_; }</code>- The most changes are in <code>jpgimage.cpp</code> <code>readMetadata()</code> and <code>writeMetadata()</code>			
Related issues:			
Related to Exiv2 - Feature # 585: Unified metadata container		Assigned	
Related to Exiv2 - Feature # 756: Access to ICC Profile (TAG: 0x8773) data in...		Closed	04 Feb 2011
Related to Exiv2 - Feature # 1074: ICC Profile in APP2 segment.		Closed	07 May 2015

History

#1 - 02 Apr 2010 23:00 - Andreas Huggel

Will consider this once we have the unified metadata container (#585) - then we'll be able to interpret additional types of metadata too.

#2 - 21 Aug 2015 16:51 - Robin Mills

- Status changed from New to Closed
- Assignee set to Robin Mills
- Target version set to 0.26

I'm going to mark this closed. However it's linked to #1074 which I intend to implement for v0.26.

Thanks very much to Joachim for the patch. I'll reviewed this and will use this as inspiration for #1074. I'd like to support the extraction of color profiles from JPEG/TIFF/PNG files (and Tiff-type raw formats such as DNG and NEF).

#3 - 22 Aug 2015 16:09 - Robin Mills

- % Done changed from 0 to 100

Files

patchforreadingiccprofiles.zip

34.7 KB

26 Jan 2010

Andreas Huggel