

Exiv2 - Feature #464

Support PNG images

10 Apr 2006 19:39 - Andreas Huggel

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Gilles Caulier	% Done:	100%
Category:	metadata	Estimated time:	0.00 hour
Target version:	0.18		

Description

Needs a new PngImage class to parse (decode and encode) metadata from/into PNG images. Among the metadata types that can be stored in PNG images are Exif, IPTC and XMP.

Additional information:

From Gilles Caulier:

If you is interressed to make a simple PNG parser in Exiv2 (My dream (:=))), just take a look in KDE API (KFileMetaInfo class). This is a simple class to extract metadata (not too powerfull than Exiv2) from image/audio/video file.

About PNG KFileMetaInfo use a plugin to parse in read only PNG file. The code is simple and do not use libPNG :

http://websvn.kde.org/trunk/KDE/kdegraphics/kfile-plugins/png/kfile_png.cpp?rev=506839&view=auto

If you want some help to clarify Qt/KDElib API, let's me hear...

About Raw profile embedded into PNG file by IM, take a look here :

<http://www.sno.phy.queensu.ca/~phil/exiftool/TagNames/PNG.html#TextualData>

look like IM can provide also XMP raw profile !!! For the future of Exiv2 (:=)))...

From <http://www.sno.phy.queensu.ca/~phil/exiftool/TagNames/PNG.html#TextualData>:

Metadata is stored in PNG TextualData format, which allows arbitrary tag names to be used. The information for the TextualData tags may be stored as tEXt, zTXt or iTXt chunks in the PNG image.

History

#1 - 10 Apr 2006 20:44 - Andreas Huggel

Consider using libpng: <http://www.libpng.org/pub/png/libpng.html>

#2 - 26 Apr 2008 00:00 - mikolaj -

Isn't it implemented?

#3 - 26 Apr 2008 00:30 - Andreas Huggel

~986: Only read support is available yet.

#4 - 06 Sep 2008 08:51 - Andreas Huggel

Gilles added write support in [r1537](#)

#5 - 17 Dec 2008 09:11 - Andreas Huggel

- % Done changed from 0 to 100

#6 - 18 Dec 2008 18:29 - Andreas Huggel

- Status changed from Resolved to Closed