

Exiv2 - Bug #1069

Make Video Code a build option

26 Apr 2015 14:44 - Robin Mills

Status:	Closed	Start date:	26 Apr 2015
Priority:	Normal	Due date:	
Assignee:	Andreas Huggel	% Done:	100%
Category:	video	Estimated time:	0.00 hour
Target version:	0.25		
Description			
Related issues:			
Related to Exiv2 - Bug #1068: Video Code Umbrella		Closed	26 Apr 2015
Related to Exiv2 - Feature #733: Improve compile-time control over size and f...		Closed	03 Oct 2010

Associated revisions

Revision 3767 - 30 Apr 2015 15:31 - Robin Mills

#1069. Make video a build option (msvc/autotools/cmake). Default is not to build video or webready.

History

#1 - 08 May 2015 11:51 - Robin Mills

- % Done changed from 0 to 80

I've updated the autotools and CMake files to make video (and webready) build options.

Andreas has requested similar capability in MSVC. I've added a batch file msvc2005/configure.bat to do this.

```
C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005>configure -h
Usage: configure.py [options]
```

Options:

```
-h, --help            show this help message and exit
-A, --with-app        build sample apps (false)
-a, --without-app     do not build apps
-C, --with-curl       enable curl
-c, --without-curl    disable curl
-E, --with-expat      enable expat (true)
-e, --without-expat   disable expat
-O, --with-openssl    enable openssl
-o, --without-openssl disable openssl
-S, --with-ssh        enable ssh
-s, --without-ssh     disable ssh
-T, --with-test       build test programs (true)
-t, --without-test    do not build test progs
-W, --enable-webready enable webready (false)
-w, --disable-webready disable webready
-V, --enable-video    enable video (false)
-v, --disable-video   disable video
-X, --enable-xmp      enable xmp (true)
-x, --disable-xmp     disable xmp
-Z, --with-zlib       enable zlib/png (true)
-z, --without-zlib    disable zlib/png
-d, --default         default
```

```
C:\cygwin64\home\rmills\gnu\exiv2\trunk\msvc2005>
```

It is written in python, so configure.bat calls configure.py (375 lines of python3 magic)

I believe it meets Andreas' requirements exactly. If you don't select zlib, zlib is not built or linked. pngimage.{cpp|hpp} is omitted from the build. Absent. Compiler never sees it. The rules are defined in python data at the start of the script. The code converts the data into solutions/project files.

I'm very pleased with this. The script reads the existing project/solution files and stamps out new ones. So exifprint/exifprint.vcproj -> exifprint/exifprint_configure.vcproj If we change any existing project files, configure.bat will 'inherit'. The script generates a brand new solution and

tree of project files. No existing files are disturbed.

The best aspect is that the project/solution files are "genuine 100% regular visual studio" files. CMake produces strange project files. CMake reminds me of swing about 15 years ago. In those days, swing created windows which looked the same on every platform. Sadly, alien windows. CMake is an alien project file generator. I'm very glad that Daniel will take care of that in future.

#2 - 23 May 2015 08:40 - Robin Mills

- Assignee deleted (*Robin Mills*)

#3 - 02 Jun 2015 23:44 - Alan Pater

- Assignee set to *Andreas Huggel*

#4 - 21 Jun 2015 16:45 - Andreas Huggel

- Status changed from *Assigned* to *Closed*

- % Done changed from *80* to *100*