

## OpenCV - Bug # 308: VideoWriter Ffmpeg libs incompatible with VS 2008

<b>Status:</b>	Done	<b>Priority:</b>	High
<b>Author:</b>	Marcus Wirsing	<b>Category:</b>	highgui-video
<b>Created:</b>	2010-04-25	<b>Assignee:</b>	
<b>Updated:</b>	2012-08-16	<b>Due date:</b>	
<b>Affected version:</b>			
<b>Difficulty:</b>			
<b>Pull request:</b>			
<b>Operating System:</b>			
<b>HW Platform:</b>			
<b>Description:</b>	(Visual Studio 2008 SP1, Win XP 32 Bit) When execute the following Code:  <pre>int x = CV_FOURCC('M','J','P','G'); int x = CV_FOURCC('X','V','I','D'); </pre> <pre>Mat im = imread("C:\\test2.jpg"); //640x480 </pre> <pre>VideoWriter *vw = new [[VideoWriter]](); vw-&gt;open("test.avi",x,25.0,im.size()); bool b = vw-&gt;isOpened(); for(int i=0;i&lt;100;i++) {   (*vw)&lt;&lt;im; }  delete vw;</pre> I get an access violation reading location 0xffffffff in cvWriteFrame (opencv_ffmpeg210d.dll) and the console says:  "Compiler did not align stack variables. Libavcodec has been miscompiled and may be very slow or crash. This is not a bug in libavcodec, but in the compiler. You may try recompiling using gcc >= 4.2. Do not report crashes to Ffmpeg developers."  My solution is to recompile the static ffmpeg libraries:  <ol style="list-style-type: none"><li>1. Get the latest ffmpeg from SVN.</li><li>2. Compile ffmpeg with mingw configure --enable-memalign-hack (See: <a href="http://ffmpeg.arrozcru.org/wiki/index.php?title=Static">http://ffmpeg.arrozcru.org/wiki/index.php?title=Static</a>)</li><li>3. Recompile opencv with the new ffmpeg libs(VS 2008) - and it should work.</li></ol>		

### History

2010-04-25 12:41 pm - Marcus Wirsing

My gcc Version is 4.4.0

2010-05-07 02:22 am - michaelp -

Can you upload your ffmpeg build? I can't get mine to run with opencv (unresolved external symbol \_img\_convert).

**2010-05-07 05:27 pm - Marcus Wirsing**

Replying to [comment:2 michaelp]:

> Can you upload your ffmpeg build? I can't get mine to run with opencv (unresolved external symbol \_img\_convert).

You must define HAVE\_FFmpeg\_SWSCALE in opencv\_ffmpeg, and replace the old ffmpeg headers with the new. You must also replace the mingw specific libs and include the libswscale.a.

See:

<http://rapidshare.com/files/384609847/patch.zip.html>

(OpenCV Rev: 3045,

FFmpeg Rev:23053 [configure --enable-memalign-hack --disable-debug])

**2010-05-08 06:41 pm - michaelp -**

Replying to [comment:3 heso]:

> You must define HAVE\_FFmpeg\_SWSCALE in opencv\_ffmpeg, and replace the old ffmpeg headers with the new. You must also replace the mingw specific libs and include

> the libswscale.a.

>

> See:

> <http://rapidshare.com/files/384609847/patch.zip.html>

> (OpenCV Rev: 3045,

> FFmpeg Rev:23053 [configure --enable-memalign-hack --disable-debug])

>

Thanks, I managed to compile by sticking with 0.5 which does not require any modification except for the proper configure command.

**2010-10-14 09:15 am - anonymous -**

For this problem:

"Compiler did not align stack variables. Libavcodec has been miscompiled and may be very slow or crash. This is not a bug in libavcodec, but in the compiler. You may try recompiling using gcc >= 4.2. Do not report crashes to FFmpeg developers."

My solution is replace binaries of .\3rdparty\lib\:

-libavcodec.a, libavdevice.a, libavformat.a, libavutil.a

with previous version found in [[OpenCv]]2.0

Now coding it works.

Rudy

**2011-06-16 06:52 pm - Andrey Morozov**

- Status changed from Open to Done

- (deleted custom field) set to obsolete

working in the latest version

**2012-08-16 04:33 pm - Andrey Kamaev**

- Category changed from highgui-images to highgui-video