
Subject: Reading and writing uncompressed AVI
Posted by [MichaelT](#) on Wed, 02 Apr 2008 11:53:25 GMT
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Dear all,

I have recently tried to read (and write) uncompressed 8bit gray scale AVIs with IDL. I found Kilvarock's avilDL63.zip and tried it out - but I don't get it to work... Can anybody help me there? What do I have to do if I want to read (and write) an AVI written as Y800 codec (which is uncompressed 8bit gray scale)? Is it possible at all?

When I use testavigenreader and read one of the files, width, height, and numberOfFrames are all zero.

Before I found avilDL63.zip I had already written a routine which reads uncompressed avis. I'm also able to write them, sort of, as there are some bits that I couldn't work out (the bit about the color tables). At least the program I wanted to use them with (Registax) understands them. Other programs don't and complain about an unknown codec...

Michael

Subject: Re: Reading and writing uncompressed AVI
Posted by [rtowler](#) on Mon, 07 Apr 2008 16:07:55 GMT
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On Apr 7, 2:22 am, MichaelT wrote:

> It would be great if you could give me a step by step guide on what to
> do, so that I'm sure that I'm doing it correctly.

I'm trying :)

I was suggesting that you simply run the examples using a KNOWN WORKING CODEC. Not the Y800 codec. Verify that the code is working as expected. If you can do that, then we know there is an issue with your specific codec and IDL2AVI and we can go from there.

-R

Subject: Re: Reading and writing uncompressed AVI
Posted by [MichaelT](#) on Thu, 22 May 2008 12:44:27 GMT
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Ok, now I finally had time to try this out :-)

I used testAviGenerator and wrote a fully uncompressed AVI. I was able to read it with testavigenreader and also with media player.

When I started testAviGenerator I had to choose the Codec. What determines which codecs appear in this list? The ones that are installed on my computer? Because DivX is installed but not listed. Can I add other codecs?

That finally, seems to be the problem then.

Michael

Subject: Re: Reading and writing uncompressed AVI
Posted by [David Fanning](#) on Thu, 22 May 2008 13:03:22 GMT
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MichaelT writes:

- > I used testAviGenerator and wrote a fully uncompressed AVI. I was able
- > to read it with testavigenreader and also with media player.
- > When I started testAviGenerator I had to choose the Codec. What
- > determines which codecs appear in this list? The ones that are
- > installed on my computer? Because DivX is installed but not listed.
- > Can I add other codecs?
- >
- > That finally, seems to be the problem then.

That's, pretty much, always the problem. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: Reading and writing uncompressed AVI
Posted by [Rick Towler](#) on Thu, 29 May 2008 23:52:41 GMT
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MichaelT wrote:

- > Ok, now I finally had time to try this out :-)
- > I used testAviGenerator and wrote a fully uncompressed AVI. I was able

- > to read it with testavigenreader and also with media player.
- > When I started testAviGenerator I had to choose the Codec. What
- > determines which codecs appear in this list? The ones that are
- > installed on my computer? Because DivX is installed but not listed.
- > Can I add other codecs?
- >
- > That finally, seems to be the problem then.

All codecs registered with "Video For Windows" (which is an old multimedia API for windows) will show up. I know that older versions of DivX worked with VFW but I haven't worked with DivX in years. My guess is that they dropped that interface?

You can always create uncompressed AVI files and encode them in another application. Quicktime Pro, Windows Media Encoder, or the one I use, VideoMach. I'm sure there are many more...

-r
