
Subject: Re: Reading and writing uncompressed AVI
Posted by [Rick Towler](#) on Wed, 02 Apr 2008 15:55:37 GMT
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> I have recently tried to read (and write) uncompressed 8bit gray scale
> AVIs with IDL. I found Kilvarock's aviIDL63.zip and tried it out - but
> I don't get it to work... Can anybody help me there?

What have you tried? What errors did you get? What version of IDL are you running? Does the demo program work?

A little more information will go a long way.

-Rick

Subject: Re: Reading and writing uncompressed AVI
Posted by [MichaelT](#) on Wed, 02 Apr 2008 16:50:21 GMT
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>
> What have you tried? What errors did you get? What version of IDL are
> you running? Does the demo program work?
>
> A little more information will go a long way.
>
> -Rick

Well, I tried both demo programs:
test8bitAVIGENreader.pro
testavigenreader.pro

The first one returned an error message (red undefined) at the following line:
tvlct, red, green, blue
Which is understandable(?), as it is a gray scale image. But it could also mean that the file is not read at all?

In the second case I did not get any error messages, but, as I said, zero values are returned for width, height and frame number. So nothing else happens. No movie is played.

All this i tried under IDL 7.0.

Michael

Subject: Re: Reading and writing uncompressed AVI
Posted by [Haje Korth](#) on Wed, 02 Apr 2008 16:56:31 GMT
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Rick,
for IDL 7 wouldn't he need the version compile for IDL 6.4 and above?

Haje

"Rick Towler" <rick.towler@nomail.noaa.gov> wrote in message
news:ft0a9q\$1rl\$1@news.nems.noaa.gov...

>
>
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Subject: Re: Reading and writing uncompressed AVI
Posted by [MichaelT](#) on Wed, 02 Apr 2008 17:18:03 GMT
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On the download website
<http://www.kilvarock.com/freesoftware/dlms/dlms.htm>
it says "DLM for reading and writing AVI files IDL6.3 AND LATER ONLY!"
So I assumed it would be ok? Is there a more recent one?

Michael

Subject: Re: Reading and writing uncompressed AVI
Posted by [Rick Towler](#) on Thu, 03 Apr 2008 00:24:17 GMT
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Haje Korth wrote:
> for IDL 7 wouldn't he need the version compile for IDL 6.4 and above?

The 6.3 and later version from Ronn's website will work.

MichaelT wrote:

- > In the second case I did not get any error messages, but, as I said,
- > zero values are returned for width, height and frame number. So
- > nothing else happens. No movie is played.

Where are you trying to play the movie?

You need to break this down step by step. Can you create an avi (full frames uncompressed, not your Y800 codec)? Can you play it in media player? Can you read it using testAviGenReader? (I can confirm that this all works on my machine: IDL 7.0 Windows XP, x86-32.

Once you get the demos working with a common codec, then try your Y800 codec.

-Rick

Subject: Re: Reading and writing uncompressed AVI
Posted by [MichaelT](#) on Mon, 07 Apr 2008 09:22:23 GMT
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>

> Where are you trying to play the movie?

So far I just tried to read one. The format of this AVI is full frames uncompressed, gray scale (that is the Y800-"codec").

- > frames uncompressed, not your Y800 codec)? Can you play it in media
- > player? Can you read it using testAviGenReader? (I can confirm that
- > this all works on my machine: IDL 7.0 Windows XP, x86-32.

The file I want to read is read by the media player, but obviously not by testAviGenReader. As I mentioned the Program does not issue any error message when I try to read the AVI but simply says frame number and dimensions are all zero.

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.

What I want to do is the following: Read the AVI, track some reference points in each frame, save a new avi with the aligned frames. As the AVI is fully uncompressed I can already read all the frames simply by using point_lun and reading the data as a bytarr. But, writing a new avi with a different frame size (as I want to cut away all unneeded pixels), is a different matter. Well, in the end I could simply use my routine and then write it with testAviGen... Probably one way out.

Many thanks, Michael
