
Subject: CCD Camera support

Posted by [Maher](#) on Wed, 18 Aug 2010 22:31:37 GMT

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I need to acquire a snapshot from within IDL by connecting to a twain or active X. I want to do that from a scratch, do you have any suggestion about which camera (I need at least 3 mp) and how to implement that.

If anybody had that implemented, i would be glad to pay for it.

Thanks

Maher

Subject: Re: CCD Camera support

Posted by [David Grier](#) on Fri, 20 Aug 2010 17:25:12 GMT

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On 8/20/10 1:02 PM, David Grier wrote:

> On 8/19/10 11:23 AM, Maher wrote:

>> On Aug 18, 5:31 pm, Maher<malka...@gmail.com> wrote:

>>> I need to acquire a snapshot from within IDL by connecting to a twain

>>> or active X. I want to do that from a scratch, do you have any

>>> suggestion about which camera (I need at least 3 mp) and how to

>>> implement that.

>>> If anybody had that implemented, i would be glad to pay for it.

>>> Thanks

>>> Maher

>>

>> I am acquiring thin section (petrological) images which are similar to

>> astronomical ones, and the camera I am using right now is CCD, but I

>> am looking to build a new system with higher resolution camera (3-10

>> mp)

>> I can see that Ron Klings's IDL_Tools (<http://www.kilvarock.com/dlms.htm>) is a good start, but I thought I would find an existing

>> system.

>> I also found SDIX (<http://www.bruxton.com/SIDX/index.html>) that I

>> might use, but I will keep looking for some time.

>>

>>

>> Maher

>

> Dear Maher,

>

> I've whipped together a very simple IDL interface to the video capture

> capabilities of OpenCV. This allows me to read frames from video files

> and also to capture frames from video cameras. OpenCV is a

> cross-platform library, and I've been using this successfully under

> MacOS and linux in both 32-bit and 64-bit variants. I haven't tried it

> on any flavor of Windows, but it might be possible to make it work.

>
> The benefit of using OpenCV is that it takes advantage of the standard
> video access libraries on each platform, and thus can read whatever your
> system can read. Under Windows, that should include activex devices.
>
> This is alpha-quality software, in that it works for me, but might not
> work for anybody else. Even so, you're welcome to take a look:
>
> <http://physics.nyu.edu/grierlab/software/idlvideo-0.1.tar.gz>
>
> It's set up for building under gnu-like systems
> (./compile && make && sudo make install)
>
> TTFN,
>
> David
>

Oops. That's "./configure" not "./compile".

TTFN,

David
