
Subject: General Purpose CCD Interface
Posted by [Paul\[2\]](#) on Thu, 05 Jan 2006 03:55:48 GMT
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Any interest in the following proof of concept prototype: IDL -> SIDX
-> Camera
See: <http://www.bruyton.com/SIDX/>

The SIDX "bridge" is implemented as an IDL DLM.

Thanks,
-P

Subject: Re: General Purpose CCD Interface
Posted by [b_gom](#) on Thu, 05 Jan 2006 17:29:47 GMT
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Paul wrote:
> Any interest in the following proof of concept prototype: IDL -> SIDX -> Camera

Very interesting- but what does the "OEM/Volume only, not single user"
note in the IDL support section mean?

Brad

Subject: Re: General Purpose CCD Interface
Posted by [Paul\[2\]](#) on Thu, 05 Jan 2006 17:46:56 GMT
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> Very interesting- but what does the "OEM/Volume only, not single user"
> note in the IDL support section mean?
>
> Brad

Hi Brad,

Bruyton likes OEM deals for their software and I think they felt that having IDL come along for the ride would help them sell more SIDX to the big camera manufactures. They're actually doing quite well with SIDX which I think is a great idea (single interface into many scientific cameras).

We are now just beginning to explore whether it will help my team sell more IDL into the camera manufacture's user base by hooking into SIDX. Apparently, these camera manufacturers are fiercely competitive, so

having a platform for application development like IDL plus SIDX linked to their systems is beginning to get some early attention. For example, I've already spoken to interested reps from:

Andor
BASLER
SciMeasure
Apogee
Horiba
Spectral Instruments

We now just need to identify an opportunity to validate what we think is a good idea. Hence, I ping the group for impressions since you guys are probably the most objective.

Thanks,
-P

Subject: Re: General Purpose CCD Interface
Posted by [R.Bauer](#) on Sat, 07 Jan 2006 23:07:06 GMT
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Paul wrote:

> Any intertest in the following proof of concept prototype: IDL -> SIDX
> -> Camera
> See: <http://www.bruxton.com/SIDX/>
>
> The SIDX "bridge" is emplemented as an IDL DLM.
>
> Thanks,
> -P

It's only windows or isn't it?

cheers
Reimar

Subject: Re: General Purpose CCD Interface
Posted by [Paul\[2\]](#) on Mon, 09 Jan 2006 01:23:35 GMT
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Yes, but it does beg the question...is it more important to be cross-platform and potentially ignore many other modern, value added

techs? Or, is it more desirable to take advantage of all the additional ease of use techs offered on platforms like Windows and Mac knowing that some of the features will not port to Linux and other flavors of UNIX. I'm not saying drop UNIX/Linux support, but it would be nice to support features offered by other platforms if it makes peoples' lives easier.

Subject: Re: General Purpose CCD Interface

Posted by [yellow_snow](#) on Mon, 30 Jan 2006 18:03:18 GMT

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I'm currently working on an interferometer project for which an Andor ixon camera will be used, and we will certainly use IDL for the analysis aspect, but we haven't decided yet whether we go with an integrated acquisition and analysis package using IDL or seperate out the tasks. We already have another ixon which is controlled by a Delphi program and I don't have a feel yet for how easy it will be to use IDL in this way other than calling C routines to handle the actual acquisition. Anything that simplified the interface to the Andor camera from IDL would certainly be interesting to us but it would need to be able to handle multiple frames per second. Any opinions on the suitability of IDL for such an application (there will be other hardware control issues to be handled too) would be welcomed.
