
Subject: Re: Data Acquisition Options in IPL...

Posted by [Martin Schultz](#) on Wed, 03 Jan 2001 11:00:25 GMT

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RandyStack wrote:

>
> Is anyone doing real-time data acquisition in IPL? RSinc mentioned that there
> was a way to stream data in via TCP/IP, but I'd also be interested in
> processing "live" data from an A/D converter for audio input, or a frame buffer
> or USB camera for image. IPL has all the processing and analysis capabilities
> I need, but I need something more than static file I/O...as my app involves
> spectral analysis, filtering and resynthesis for audio and video I/O. Also,
> I'm looking for a way to get post-processing audio out of IPL. Anyone working
> with real-time I/O?
>
> Thanks,
> ~Randy
>
> P.S. I'm running IPL on a G4 Mac.

Now that you mention RSinc I am actually beginning to think you are referring to IDL in the end... I am not using any hardware acquisition myself, but I know of at least one application: the LIDAR group at NASA Langley do their data acquisition directly in IDL. I guess the key is to get familiar with the interface between IDL and C or FORTRAN (CALL_EXTERNAL or LINKIMAGE) and write/adapt the hardware driver in C or FORTRAN. Once you have your data in an IDL variable, the rest can be seen even from an IDL demo version.

Martin

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