
Subject: how to pass array from dll into IDL?

Posted by [maxschautzer](#) on Thu, 05 Jul 2001 14:53:22 GMT

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Hi ,

I need to pass a bytearray from the dll to IDL (5.2).

I am writing a wrapper for a framegrabber which uses the dll functions to acquire the single frames(monochrome).

Then I try to pass the pointer address to idl, then this address seems not to work.
Here my example:

in dll:

```
IDL_LONG TestFunction(int argc, void* argv[])
{
    IDL_LONG *answer;
    BYTE b=255; //BYTE is UCHAR
    BYTE *pb;
    answer = (IDL_LONG *)argv[0];
    pb=&b;
    *answer = (IDL_LONG)pb;
    return(0L); //Return zero if all okay
}
```

in IDL:

```
a=10L
err=Call_External('aquire.dll','TestFunction',a)
print,a
IDL>10415668
```

This address seems not to be the address for b in dll. I tested this with:

```
var = EXTPROC_DEREF(addr,BYTE=1)
```

```
print,var
```

```
IDL>94 not 255
```

-> EXTPROC_DEREF comes from <http://www.rlkling.com/>

So her are my questions: How can I access these different address spaces?

How can I test this address in IDL?

Is there any possibility to transfer whole arrays(frames)?

And if, how fast can I get these arrays(25ms)?

Thanks

Max
