

# Re: Intelligently Selecting SampleGrabber MediaType

---

*Source:*

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.directx.video/2007-06/msg00>

---

- *From:* "NickP" <a@xxxxx>
  - *Date:* Fri, 29 Jun 2007 12:13:12 +0100
- 

Well, unfortunately that was a waste of time.

The DivX decoder filter reports only having 1 pin, an input pin, so it doesn't even find the output pin. Disconnecting the video renders input pin succeeds but the 2 filters stay connected as I can still see that they are in graph edit.

So I have back peddled a little bit to my previous code...

```
AM_MEDIA_TYPE mt;
memset(&mt, 0, sizeof(mt));
mt.majorType = MEDIATYPE_Video;
mt.subtype = GUID_NULL;
mt.formatType = FORMAT_VideoInfo;
//mt.subtype = MEDIASUBTYPE_RGB24;
//mt.formatType = FORMAT_VideoInfo;
```

This now connects into any graph automatically, the only problem being now is that the format of the sample grabber is not in always in RGB format, so I will put some conversion code in!

Hopefully this will work!

Nick.

"NickP" <a@xxxxx> wrote in message  
<news:eZf388iuHHA.4868@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Actually,

I've just had a thought.

I create the graph automatically without sample grabber, then work backwards, remove the pin between the video renderer and the previous filter and then stick the sample grabber in there.

It's worked with 1 filter graph so far, but now with the DivX decoder, I'm presuming it's outputting some non RGB format.

Re: Intelligently Selecting SampleGrabber MediaType

Nick.

"NickP" <a@xxxxxx> wrote in message  
[news:uaNokriuHHA.2752@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uaNokriuHHA.2752@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi there,

Oh dear, that's not the best of news

So manually creating a graph for practically \*any\* video type that can incorporate a sample grabber is possible?

Unfortunately graph edit seems to lack quite a few features that make manual creation possible, either that or I have a version that doesn't work correctly.

I guess I'm gonna need some substantial code going on now, any ideas of reference for creating a graph manually?

Nick.

"The Mock Turtle" <stewartb@xxxxxxxxxx> wrote in message  
[news:1183096689.228197.86970@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:1183096689.228197.86970@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

what you've specified will match lots of filters so you'll get random results with intelligent connect on different PCs. i think you can help narrow it down by filling in the bitmapinfoheader dealie.

get the CLSIDs of all the filters you want and connect them all yourself. intelligent connect is anything but.