

## Re: How to get the snapshot of the first video frame of MPEG-2 video?

**Source:**

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.directx.video/2004-11/0224.1>

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**Date:** 11/09/04

Date: Tue, 9 Nov 2004 14:26:05 -0700

"kimi" <kimi@intervideo.com.cn> wrote in message  
news:OXxm3YhxEHA.1260@TK2MSFTNGP12.phx.gbl...  
> I use the DirectShow to build a filter graph which can render the many  
> video  
> types. I wanna to capture the first frame of the video to display it in  
> the  
> app window. The way I try list following:  
> 1. run the graph, and pause it, get the Video Render Filter and call the  
> GetCurrentImage method.  
> 2. pause the graph directly (don't play it first), call GetCurrentImage.  
> 3. step the graph 1 frame, and call getcurrentImage.  
> all ways can be work well when I render the MPEG-1, AVI, WMV, and so on,  
> the  
> only one they cannot work well on is MPEG-2 video. When I use the any way  
> of  
> above to get the frame, the method return S\_OK, but the Image is black  
> screen! (I am sure it should not be a black screen)  
>  
> Do you have any good way to get the Image? I have tried the IMediaDet,  
> it's  
> still cannot solve the problem.

Doing this, and doing it well, is actually somewhat of a pain. You might look at the IMediaControl::StopWhenReady() method, but I've only had marginal success using that method and consistently getting a first frame. Writing a custom source filter has been more successful, but the obvious problem there is that it's typically media-specific.

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Where am I going?  
And why am I in this handbasket?