

Forum:[Hack Forums](#)

Thread: [Screen Capture](#)

ryanrl - March 15, 2017, 11:15 am

Hello is there anyway to capture a part of the screen and stream it too an application form via visual studio any help is appreciated Thanks!

My Computer - March 15, 2017, 11:32 am

Hi, yes there is a way to capture a part of the computer screen (you can look this up on Google on how you can do this). Although, I'm not sure what you mean by "stream it too an application form." Do you mean stream it to another form that is integrated into your project (e.g: you want to stream the specific part of the screen onto Form1.vb, Form2.vb, etc) or onto an external application?

ryanrl - March 15, 2017, 11:35 am

Yes that's what i mean preview it live basically via a form :)

My Computer - March 15, 2017, 12:22 pm

(Mar 15, 2017 11:35 AM)ryanrl Wrote: [CITE](#) Yes that's what i mean preview it live basically via a form :)

If you want to achieve that you need to add a picture box control and a timer control to your form (which can both be found in the Visual Studio toolbox). Using the timer's tick event you can update a picture box's image at a specific interval.

Here's an example code of what I mean.

Code Public Class Form1

```
Private Function ScreenShot() As Bitmap
    Dim screenSize As Size = New Size(My.Computer.Screen.Bounds.Width,
My.Computer.Screen.Bounds.Height)
    Dim screenGrab As New Bitmap(My.Computer.Screen.Bounds.Width,
My.Computer.Screen.Bounds.Height)
    Using g As Graphics = Graphics.FromImage(screenGrab)
        g.CopyFromScreen(New Point(0, 0), New Point(0, 0), screenSize)
    Return screenGrab
    End Using
End Function

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    Timer1.Enabled = True
    Timer1.Interval = 1000
End Sub

Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
    PictureBox1.Image = ScreenShot()
End Sub
End Class
```

The code above will update the picture box's image every 1 second with a screenshot of the computer screen. If you want to change how fast/slow the picture box should be updated, you have

to change the interval speed of the timer.

I think this should give you a general idea on how you can stream the computer screen to a form. Now all you need to do is figure out how to take a screenshot of the screen at specific coordinates. ?

INCEPTION_V - March 16, 2017, 3:47 am

Taking screenshots isn't going to give you much FPS.

If you really want good Streaming with Audio use my method.

You could write a program that starts VLC with arguments hidden

i can give you my arguments that i have streamed with perfectly

Stream

Code // Better store each line in StringBuilder

```
var streamCommand = "-I dummy --dummy-quiet dshow:// :dshow-vdev=screen-capture-recorder  
dshow:// :dshow-vdev=screen-capture-recorder :dshow-aspect-ratio=16:9 :dshow-fps=30  
:live-caching=200  
:sout=#transcode{vcodec=mp2v,vb=800,acodec=mpga,ab=128,channels=2,samplerate=44100}:rtp{  
dst=RECEIVERIPHERE,port=1234,mux=ts} :sout-keep";
```

```
var processStartInfo = new ProcessStartInfo {  
    FileName = VlcPath,  
    Arguments = streamCommand  
};
```

```
Process.Start(processStartInfo);
```

and on the Receiving end you could do the same or use <https://github.com/ZeBobo5/Vlc.DotNet>,

// Receive

```
Code private string receiveCommand => "--qt-start-minimized " +  
    "--qt-fullscreen-screennumber=1 " +  
    "--no-qt-fs-controller " +  
    "--qt-notification 0 " +  
    "--no-video-title " +  
    "--fullscreen " +  
    "rtp://@:1234 " +  
    ":network-caching=500";
```

```
var processStartInfo = new ProcessStartInfo {  
    FileName = VlcPath,  
    Arguments = streamCommand  
};  
Process.Start(processStartInfo);
```

If used this before and it works like charm, VLC is completely hidden you wont notice it unless you see it in the Taskmanager,
this way you would get much more FPS depending on the Connection.

ryanrl - March 16, 2017, 9:42 am

Thanks for the reply i have sorted it out now basically i used getwindow function to hook on applications Example ("runescape") then used Mouse up/down events to make a region to select areas of the given application.

The reason i wanted to do this was so i could minimize runescape with a movable overlay over fullscreen applications.

example:

Thanks for your help.?

Ninja - March 16, 2017, 11:09 am

(Mar 15, 2017 12:22 PM)My Computer Wrote: [\[CITE\]](#) If you want to achieve that you need to add a picture box control and a timer control to your form (which can both be found in the Visual Studio toolbox). Using the timer's tick event you can update a picture box's image at a specific interval.

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My Computer - March 16, 2017, 12:39 pm

(Mar 16, 2017 11:09 AM)Ninja Wrote: [\[CITE\]](#) You dont have to re-declare the size and such every time, do you? The screen size will not change each tick.

Well technically, the screen size could change after a tick (that is, if the user for some odd reason changed their resolution while the program was running). But I see what you mean because it would be really unlikely for the user to change their resolution while the program is running.

This is what the picture box would look like if you kept the screen boundaries variables constant while the resolution on the screen has been changed to a lower one:

Spoiler ([Click to View](#))

Ninja - March 16, 2017, 10:47 pm

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Spoiler [\(Click to View\)](#)

I bet you can just hook something and find out when the resolution changes.