

Forum:[Hack Forums](#)

Thread: [Take a photo from a webcam](#)

Nemo2478 - May 4, 2019, 12:33 pm

Hi all,

in case anyone wants to know how to take the photo I leave this code (which is not mine just in case) in order to contribute something :D

First you must download and install the JMF.

Then you can execute the code:

```
Code import javax.swing.*;
import java.io.*;
import javax.media.*;
import javax.media.format.*;
import javax.media.util.*;
import javax.media.control.*;
import java.awt.*;
import java.awt.image.*;
import java.awt.event.*;
import com.sun.image.codec.jpeg.*;

public class SwingCapture extends Panel implements ActionListener
{
    public static Player player = null;
    public CaptureDeviceInfo di = null;
    public MediaLocator ml = null;
    public JButton capture = null;
    public Buffer buf = null;
    public Image img = null;
    public VideoFormat vf = null;
    public BufferToImage btoi = null;
    public ImagePanel imgpanel = null;

    public SwingCapture()
    {
        setLayout(new BorderLayout());
        setSize(320,550);

        imgpanel = new ImagePanel();
        capture = new JButton("Capture");
        capture.addActionListener(this);

        String str1 = "vfw:Logitech USB Video Camera:0";
        String str2 = "vfw:Microsoft WDM Image Capture (Win32):0";
        di = CaptureDeviceManager.getDevice(str2);
        ml = di.getLocator();
```

```

try
{
    player = Manager.createRealizedPlayer(ml);
    player.start();
    Component comp;

    if ((comp = player.getVisualComponent()) != null)
    {
        add(comp, BorderLayout.NORTH);
    }
    add(capture, BorderLayout.CENTER);
    add(imgpanel, BorderLayout.SOUTH);
}
catch (Exception e)
{
    e.printStackTrace();
}
}

public static void main(String[] args)
{
    Frame f = new Frame("SwingCapture");
    SwingCapture cf = new SwingCapture();

    f.addWindowListener(new WindowAdapter() {
        public void windowClosing(WindowEvent e) {
            playerclose();
            System.exit(0);});

    f.add("Center", cf);
    f.pack();
    f.setSize(new Dimension(320, 550));
    f.setVisible(true);
}

public static void playerclose()
{
    player.close();
    player.deallocate();
}

public void actionPerformed(ActionEvent e)
{
    JComponent c = (JComponent) e.getSource();

    if (c == capture)
    {
        // Grab a frame
        FrameGrabbingControl fgc = (FrameGrabbingControl)
            player.getControl("javax.media.control.FrameGrabbingControl");
        buf = fgc.grabFrame();
    }
}

```

```

// Convert it to an image
btoi = new BufferToImage((VideoFormat)buf.getFormat());
img = btoi.createImage(buf);

// show the image
imgpanel.setImage(img);

// save image
saveJPG(img,"c:\\test.jpg");
}
}

```

```

class ImagePanel extends Panel

```

```

{
    public Image myimg = null;

```

```

    public ImagePanel()
    {
        setLayout(null);
        setSize(320,240);
    }

```

```

    public void setImage(Image img)
    {
        this.myimg = img;
        repaint();
    }

```

```

    public void paint(Graphics g)
    {
        if (myimg != null)
        {
            g.drawImage(myimg, 0, 0, this);
        }
    }
}

```

```

    public static void saveJPG(Image img, String s)
    {
        BufferedImage bi = new BufferedImage(img.getWidth(null), img.getHeight(null),
        BufferedImage.TYPE_INT_RGB);
        Graphics2D g2 = bi.createGraphics();
        g2.drawImage(img, null, null);

        FileOutputStream out = null;
        try
        {
            out = new FileOutputStream(s);
        }
        catch (java.io.FileNotFoundException io)
        {
            System.out.println("File Not Found");
        }
    }
}

```

```

    }

    JPEGImageEncoder encoder = JPEGCodec.createJPEGEncoder(out);
    JPEGEncodeParam param = encoder.getDefaultJPEGEncodeParam(bi);
    param.setQuality(0.5f,false);
    encoder.setJPEGEncodeParam(param);

    try
    {
        encoder.encode(bi);
        out.close();
    }
    catch (java.io.IOException io)
    {
        System.out.println("IOException");
    }
}

}

```

Oh and if you want to know the name of your device or webcam here I leave a method that shows them.

```

Code public void devices(){
    Vector devices = new Vector (CaptureDeviceManager.getDeviceList(null));
    for(int i=0;i<devices.size();i++)
        System.out.println(devices.elementAt(i));
}

```

Regards

PS.: I would like that you add my post to the post where the Java source codes are located.

.C1PH3R. - May 5, 2019, 10:22 am

(May 4, 2019 12:33 PM)Nemo2478 Wrote: [\[CITE\]](#) Hi all,

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        this.myimg = img;
        repaint();
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```
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```

{
    if (myimg != null)
    {
        g.drawImage(myimg, 0, 0, this);
    }
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}

```

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Nice share OP

But I think most people don't go for java when it comes to code malware. Java needs JVM/JRE for executing .jar and ofcourse there is a work around this like create a native executable from your code.

HFDone - May 5, 2019, 10:40 am

JavaCV seems to be much simple <https://stackoverflow.com/a/9046373>

JMF vs JavaCV <https://softwareengineering.stackexchange.com/a/176873>