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This Application explain the use of Video Control. The work of video control is used to controls the display of video.

J2ME Video Control Example

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This Application explain the use of Video Control. The work of video control is used to controls the display of video. In this example we want to show you, how to capture the video clip. The below source code shows you to create the player and capture the video.

```
Player
player = Manager.createPlayer("capture://video");
```

There are the following methods are used in the Video Control:

getDisplayHeight()
getDisplayWidth()
getDisplayX()
getDisplayY()
getSnapshot(java.lang.String imageType)
getSourceHeight()
getSourceWidth()
initDisplayMode(int mode, java.lang.Object arg)
setDisplayFullScreen(boolean fullScreenMode)
setDisplayLocation(int x, int y)
setDisplaySize(int width, int height)
setVisible(boolean visible)

To see details about video follow this link: http://www.roseindia.net/j2me/video-midlet.shtml

The application is as follows:

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VideoControlExample.java

```
import java.io.IOException;
import javax.microedition.lcdui.*;
import javax.microedition.media.*;
import javax.microedition.media.control.*;
import javax.microedition.midlet.MIDlet;
import javax.microedition.media.control.VideoControl;

public class VideoControlExample extends MIDlet implements CommandList
  private Display display;
  private Form form;
  private Command exit, back, capture, camera;
  private Player player;
  private VideoControl videoControl;
  private Video video;

  public VideoControlExample() {
  display = Display.getDisplay(this);
  form = new Form("Capture Video");
  exit = new Command("Exit", Command.EXIT, 0);
  camera = new Command("Camera", Command.SCREEN, 1);
  back = new Command("Back", Command.BACK, 2);
  capture = new Command("Capture", Command.SCREEN, 3);
  form.addCommand(camera);
  form.setCommandListener(this);
  }

  public void startApp() {
```

```
display.setCurrent(form);
}

public void pauseApp() {}

public void destroyApp(boolean unconditional){
notifyDestroyed();
}

public void commandAction(Command c, Displayable s){
String label = c.getLabel();
if (label.equals("Exit")){
destroyApp(true);
} else if (label.equals("Camera")) {
showCamera();
} else if (label.equals("Back"))
display.setCurrent(form);
else if (label.equals("Capture")) {
video = new Video(this);
video.start();
}
}

public void showCamera(){
try{
player = Manager.createPlayer("capture://video");
player.realize();
videoControl = (VideoControl)player.getControl("VideoControl");
Canvas canvas = new VideoCanvas(this, videoControl);
canvas.addCommand(back);
canvas.addCommand(capture);
canvas.setCommandListener(this);
display.setCurrent(canvas);
player.start();
} catch (IOException ioe) {} catch (MediaException me) {}
}

class Video extends Thread {
VideoControlExample midlet;
public Video(VideoControlExample midlet) {
this.midlet = midlet;
}

public void run() {
captureVideo();
}

public void captureVideo() {
try {
byte[] photo = videoControl.getSnapshot(null);
Image image = Image.createImage(photo, 0, photo.length);
form.append(image);
display.setCurrent(form);
player.close();
player = null;
videoControl = null;
} catch (MediaException me) { }
}
};
}
```

```
class VideoCanvas extends Canvas {
  private VideoControlExample midlet;

  public VideoCanvas(VideoControlExample midlet, VideoControl videoCon
  int width = getWidth();
  int height = getHeight();
  this.midlet = midlet;

  videoControl.initDisplayMode(VideoControl.USE_DIRECT_VIDEO, this);
  try {
  videoControl.setDisplayLocation(2, 2);
  videoControl.setDisplaySize(width - 4, height - 4);
  } catch (MediaException me) {}
  videoControl.setVisible(true);
  }

  public void paint(Graphics g) {
  int width = getWidth();
  int height = getHeight();

  g.setColor(255, 0, 0);
  g.drawRect(0, 0, width - 1, height - 1);
  g.drawRect(1, 1, width - 3, height - 3);
  }
}
```

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