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| <http://blog.naver.com/PostView.nhn?blogId=guregal&logNo=20064215895&parentCategoryNo=17&viewDate=&currentPage=1&listtype=0>  **myCameraTest.java 파일**http://blogimgs.naver.net/imgs/nblog/spc.gif [RFID](http://blog.naver.com/PostList.nhn?blogId=guregal&categoryNo=17&from=postList&parentCategoryNo=17) http://blogimgs.naver.net/imgs/nblog/spc.gif  2009/03/24 15:27  복사<http://blog.naver.com/guregal/20064215895> |

1. **import** java.awt.BorderLayout;
2. **import** java.awt.Component;
3. **import** java.awt.Dimension;
4. **import** java.awt.Frame;
5. **import** java.awt.Panel;
6. **import** java.io.IOException;
7. **import** java.util.Vector;
8. **import** javax.media.CannotRealizeException;
9. **import** javax.media.CaptureDeviceInfo;
10. **import** javax.media.CaptureDeviceManager;
11. **import** javax.media.Format;
12. **import** javax.media.Manager;
13. **import** javax.media.MediaLocator;
14. **import** javax.media.NoPlayerException;
15. **import** javax.media.Player;
16. **import** javax.media.control.FormatControl;
17. **import** javax.media.format.VideoFormat;

20. **public** **class** myCameraTest **extends** [Frame](http://www.google.com/search?hl=en&q=allinurl%3Aframe+java.sun.com&btnI=I%27m%20Feeling%20Lucky)
21. {
22. **protected** [Panel](http://www.google.com/search?hl=en&q=allinurl%3Apanel+java.sun.com&btnI=I%27m%20Feeling%20Lucky) panel = **null**;
23. **protected** [Component](http://www.google.com/search?hl=en&q=allinurl%3Acomponent+java.sun.com&btnI=I%27m%20Feeling%20Lucky) component = **null**;
25. **protected** Player player = **null**;
26. **protected** CaptureDeviceInfo captureDeviceInfo = **null**;
27. **protected** MediaLocator mediaLocator = **null**;
28. **protected** FormatControl formatControl = **null**;
29. **protected** VideoFormat videoFormat = **null**;
30. **protected** [Format](http://www.google.com/search?hl=en&q=allinurl%3Aformat+java.sun.com&btnI=I%27m%20Feeling%20Lucky) []     formats = **null**;
31. **protected** [Dimension](http://www.google.com/search?hl=en&q=allinurl%3Adimension+java.sun.com&btnI=I%27m%20Feeling%20Lucky) imageSize = **null**;
33. **private** **static** [String](http://www.google.com/search?hl=en&q=allinurl%3Astring+java.sun.com&btnI=I%27m%20Feeling%20Lucky) defaultVideoDeviceName
34. = "vfw:Microsoft WDM Image Capture (Win32):0";
35. **private** **static** [String](http://www.google.com/search?hl=en&q=allinurl%3Astring+java.sun.com&btnI=I%27m%20Feeling%20Lucky) defaultVideoFormatString
36. = "size=176x144, encoding=yuv, maxdatalength=38016";
38. **public** myCameraTest()
39. {
40. initDevice();
41. setSize ( 800, 600 );
42. setVisible(**true**);

45. }
46. **private** **void** initDevice()
47. {
48. [Vector](http://www.google.com/search?hl=en&q=allinurl%3Avector+java.sun.com&btnI=I%27m%20Feeling%20Lucky) deviceList = CaptureDeviceManager.getDeviceList(**null**);
49. **if** (deviceList == **null**)
50. {
51. Debug.printDebuMsg("... error: media device list vector is null, program aborted");
52. [System](http://www.google.com/search?hl=en&q=allinurl%3Asystem+java.sun.com&btnI=I%27m%20Feeling%20Lucky).exit(0);
53. }
54. **if** (deviceList.size() == 0)
55. {
56. Debug.printDebuMsg("... error: media device list vector size is 0, program aborted");
57. [System](http://www.google.com/search?hl=en&q=allinurl%3Asystem+java.sun.com&btnI=I%27m%20Feeling%20Lucky).exit(0);
58. }
60. **int** size = deviceList.size();
62. **for** (**int** i = 0; i < size ; i++)
63. {
64. CaptureDeviceInfo deviceInfo = (CaptureDeviceInfo) deviceList.elementAt(i);
66. [String](http://www.google.com/search?hl=en&q=allinurl%3Astring+java.sun.com&btnI=I%27m%20Feeling%20Lucky) deviceInfoText = deviceInfo.getName();
68. Debug.printDebuMsg("device " + i + ": " + deviceInfoText);
70. [Format](http://www.google.com/search?hl=en&q=allinurl%3Aformat+java.sun.com&btnI=I%27m%20Feeling%20Lucky) deviceFormat[] = deviceInfo.getFormats();
71. **for** (**int** y = 0; y < deviceFormat.length; y++)
72. {
73. **if** (captureDeviceInfo == **null**)
74. **if** (deviceFormat[y] **instanceof** VideoFormat)
75. **if** (deviceInfo.getName().indexOf(defaultVideoDeviceName) >= 0)
76. {
77. captureDeviceInfo = deviceInfo;
78. Debug.printDebuMsg(">>> capture video device = " + deviceInfo.getName());
79. }
80. }
81. }
82. mediaLocator = captureDeviceInfo.getLocator();
83. **if**( mediaLocator != **null** )
84. {
85. **try** {
86. player = Manager.createRealizedPlayer(mediaLocator);
87. } **catch** (NoPlayerException e) { e.printStackTrace(); }
88. **catch** (CannotRealizeException e) { e.printStackTrace(); }
89. **catch** ([IOException](http://www.google.com/search?hl=en&q=allinurl%3Aioexception+java.sun.com&btnI=I%27m%20Feeling%20Lucky) e) { e.printStackTrace();}
91. **if**(player != **null**)
92. {
93. player.start();
94. formatControl = (FormatControl)player.getControl ( "javax.media.control.FormatControl" );
95. formats = captureDeviceInfo.getFormats();
96. [Format](http://www.google.com/search?hl=en&q=allinurl%3Aformat+java.sun.com&btnI=I%27m%20Feeling%20Lucky) currFormat = formatControl.getFormat();
97. component  = player.getVisualComponent();
98. **if** ( component != **null** )
99. {
100. add(component, [BorderLayout](http://www.google.com/search?hl=en&q=allinurl%3Aborderlayout+java.sun.com&btnI=I%27m%20Feeling%20Lucky).CENTER);
102. **if**(currFormat **instanceof** VideoFormat)
103. {
104. videoFormat = (VideoFormat) currFormat;
105. imageSize = videoFormat.getSize();
106. component.setPreferredSize(imageSize);
107. }
108. **else**
109. Debug.printDebuMsg(">>>>>>> err 1");
111. invalidate();
112. pack();
113. }
114. **else**
115. Debug.printDebuMsg(">>>>>>> err 2");
116. }
117. **else**
118. Debug.printDebuMsg(">>>>>>> err 3");
120. }
121. **else**
122. Debug.printDebuMsg(">>>>>>> err 4");

125. }
126. **public** **static** **void** main ([String](http://www.google.com/search?hl=en&q=allinurl%3Astring+java.sun.com&btnI=I%27m%20Feeling%20Lucky)[] args )
127. {
128. myCameraTest my = **new** myCameraTest();
130. }
132. }

**[출처]** [myCameraTest.java 파일](http://blog.naver.com/talag/70035966268)|**작성자** [짝미](http://blog.naver.com/talag)