目前版本preview size的默认值是全屏，如果想把默认值改为4:3，可以按以下方法进行修改。

[Solution]

1、在函数filterUnsupportedOptions（）中

   将

    resetIfInvalid(pref, resetFirst);

   改为：

    if(row == SettingChecker.ROW\_SETTING\_PICTURE\_RATIO)

          {

                     String value = pref.getValue();

                      Log.v(TAG, "resetIfInvalid(" + value + ")first= "+resetFirst);

                     if (pref.findIndexOfValue(value) == NOT\_FOUND) {

                         if (resetFirst) {

                             pref.setValueIndex(1);

                         } else if (pref.getEntryValues() != null && pref.getEntryValues().length > 0) {

                      pref.setValueIndex(pref.getEntryValues().length - 1);

                 }

              }

          }

           else

                 {

                   resetIfInvalid(pref, resetFirst);

                 }

2、在restorePreferences()函数的最后添加以下代码：

    List<Size> supported = parameters.getSupportedPictureSizes();

           String targetRatio = SettingChecker.getPreferenceValue(context,

                    preferences, SettingChecker.ROW\_SETTING\_PICTURE\_RATIO);

           Log.v(TAG, "targetRatio=" + targetRatio);

           if(!targetRatio.equals(CameraSettings.PICTURE\_RATIO\_4\_3))

                 {

              targetRatio = CameraSettings.PICTURE\_RATIO\_4\_3;

                   SharedPreferences.Editor editor = ComboPreferences.get(context).edit();

                       editor.putString(CameraSettings.KEY\_PICTURE\_RATIO, targetRatio);

                       editor.apply();

目前在JB2/JB3/JB5上，前置摄像头与后置摄像头的预览大小默认都是全屏。如何单独设置前后摄像头的默认预览大小？

[SOLUTION]

修改默认的预览大小，需改两处：(a)第一次进camera时的默认值，(b)“还原默认设置”时的默认值。

此处以后置摄像头默认全屏，前置摄像头默认标准4:3为例。

1.    第一次进camera时候的默认值

CameraSettings.java (alps\packages\apps\camera\src\com\android\camera)文件

private void filterUnsupportedOptions(PreferenceGroup group,

ListPreference pref, List<String> supported, boolean resetFirst, int row)

方法中：

resetIfInvalid(pref, resetFirst);

替换为：

CameraInfo info = CameraHolder.instance().getCameraInfo()[mCameraId];

if(row == SettingChecker.ROW\_SETTING\_PICTURE\_RATIO)

{

              if(info.facing == CameraInfo.CAMERA\_FACING\_FRONT)

              {

                   pref.setValueIndex(1);

              }

else{

                resetIfInvalid(pref, resetFirst);

              }

}

else{

                 resetIfInvalid(pref, resetFirst);

      }

2.“还原默认设置”时的默认值

CameraSettings.java (alps\packages\apps\camera\src\com\android\camera)文件中，

public static void restorePreferences(Context context,

ComboPreferences preferences, Parameters parameters)

方法中：

writePreferredCameraId(preferences, currentCameraId);

之后添加：

String targetRatio = SettingChecker.getPreferenceValue(context,preferences, SettingChecker.ROW\_SETTING\_PICTURE\_RATIO);

if (backCameraId != -1) {

preferences.setLocalId(context, backCameraId);

Editor editor = preferences.getLocal().edit();

editor.putString(CameraSettings.KEY\_PICTURE\_RATIO, targetRatio);

editor.apply();

}

if (frontCameraId != -1) {

preferences.setLocalId(context, frontCameraId);

Editor editor = preferences.getLocal().edit();

editor.putString(CameraSettings.KEY\_PICTURE\_RATIO, CameraSettings.PICTURE\_RATIO\_4\_3);

editor.apply();

}

preferences.setLocalId(context, currentCameraId);