

Kofax Mobile SDK

2.0.2

Release Notes



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Release Notes

Please read these notes carefully because they contain information that is not included in the SDK documentation.

Version Information

The Kofax Mobile SDK version can be found by looking in the `versions.txt` file that is included in delivered product.

Revision History

Revision	Date of Change	Description
Kofax Mobile SDK 1.1.0	November 29, 2012	Initial Release.
Kofax Mobile SDK 1.2.0	March 31, 2013	Updated SPRs in the Known Issues and Resolved Issues Section.
	April 29-30, 2013	Added additional SPRs.
	May 7, 2013	Added additional SPR.
	June 12, 2013	Updated version information for release.
Kofax Mobile SDK 2.0	November 26, 2013	Added 283904.
Kofax Mobile SDK 2.0	January 6, 2014	Added 306154 and 306152.
Kofax Mobile SDK 2.0	January 16, 2014	Minor changes to known issues list. Added bugs 30608 and 306611.
Kofax Mobile SDK 2.0	January 21, 2014	Added 307418, 307433 and 307667.
Kofax Mobile SDK 2.0.1	February 10, 2014	Added reference to improved image processing performance.
Kofax Mobile SDK 2.0.1.1	March 19, 2014	Added 316394 to resolved issues.
Kofax Mobile SDK 2.0.2	April 2, 2014	Added 322233 to known issues.
Kofax Mobile SDK 2.0.2	April 8, 2014	Added 322722, 323424 to known issues.
Kofax Mobile SDK 2.0.2	April 16, 2014	Added 324703, 324720, 324517 to known issues.
Kofax Mobile SDK 2.0.2	April 16, 2014	Added 324740 to known issues.
Kofax Mobile SDK 2.0.2	April 18, 2014	Added 322330, 324897, 324939 to known issues.

Changes

This release includes the latest update to improve the image processing performance.

Known Issues

This section contains information about potential problems that you could encounter while using the SDK. Workarounds are provided as applicable.

Some Devices Capture Full Size Images in Video Mode

On some devices, using `takePicture` while in video mode will result in capturing a full size image. (324939)

Affected platforms and/or devices:

- Android

The following devices are known to exhibit this behavior. There may be others.

- HTC One
- LG G Pad 8.3
- Nexus 10
- Samsung Mega
- Samsung S3

Workaround: Be sure to enable page detection.

Nexus 10: Flash Does Not Work in Capture Mode

On the Nexus 10, when in capture mode with the flash setting on, the flash does not fire. (324897)

Affected platforms and/or devices:

- Android
- Nexus 10

Workaround: Do not use the flash in capture mode on this device.

Android Applications Crash With Invalid License

Attempting to run an Android application without a valid license causes the app to crash. (322330)

Affected platforms and/or devices:

- Android

Workaround: Ensure there is a valid license.

Cannot Use Flash on Certain Samsung Devices

During image capture with the flash enabled, the level indicator freezes and the image capture view is sluggish. (324740)

Affected platforms and/or devices:

- Android
- Samsung 12.2
- Samsung Note 10.1

Workaround: Do not enable the flash on these devices.

Cannot Capture Backside of Check

When using a LenovoYoga, an app may not be able to capture the backside of certain checks. The issue occurs when a check does not have enough data on it for the LenovoYoga camera to focus successfully. (324517)

Affected platforms and/or devices:

- Android
- LenovoYoga

Workaround: None.

Tilt Not Required in Image Capture Control

On Android devices, while in continuous capture mode, before recapturing an image, the user should be required to tilt the device away from level to reset the levelness and stability thresholds. This is not happening, resulting in a continuous stream of images. (324703)

Affected platforms and/or devices:

- Android

Workaround: To work around this, your application can implement logic that disables continuous capture after an image is captured, and then reenables it once the device has been tilted outside of the levelness threshold range.

```
package com.kofax.mobile.sdk.capturesample;

import android.app.Activity;
import android.os.Bundle;

import com.kofax.kmc.kui.uicontrols.ImageCaptureView;
import com.kofax.kmc.kui.uicontrols.ImageCapturedEvent;
import com.kofax.kmc.kui.uicontrols.ImageCapturedListener;
import com.kofax.kmc.kui.uicontrols.LevelnessEvent;
import com.kofax.kmc.kui.uicontrols.LevelnessListener;
import com.kofax.kmc.kui.uicontrols.data.PageDetectMode;
import com.kofax.kmc.kut.utilities.AppContextProvider;
import com.kofax.kmc.kut.utilities.Licensing;

public class CaptureActivity extends Activity implements ImageCapturedListener,
LevelnessListener {

    private ImageCaptureView captureView;
    private boolean capturing;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```

super.onCreate(savedInstanceState);

Licensing.setMobileSDKLicense("license"); // Use your SDK license string here
AppContextProvider.setContext(getApplicationContext());
setContentView(R.layout.new_activity);

captureView = (ImageCaptureView) findViewById(R.id.captureView);
captureView.setLevelIndicator(true);

captureView.addOnImageCapturedListener(this);
captureView.addLevelnessListener(this);

captureView.returnCameraEvents(true);

capturing = true;
captureView.doContinuousMode(true);

captureView.setPageDetectMode(PageDetectMode.AUTOMATIC);
}

@Override
public void onImageCaptured(ImageCapturedEvent event) {
    // We've captured an image, disable continuous capture until the camera is
    // tilted outside of its threshold range
    captureView.doContinuousMode(false);
    // Set a flag indicating that we are not trying to capture an image.
    capturing = false;
}

@Override
public void onLevelness(LevelnessEvent event) {
    // We're already trying to capture an image, ignore the event.
    if (capturing) {
        return;
    }

    // We're not taking a picture, check to see if either pitch or roll are out of
    range // If they are, start trying to take a picture again.
    int pitch = Math.abs(event.getPitch());
    int roll = Math.abs(event.getRoll());

    // Check to see if pitch or roll exceed 45, if so, assume we are out of the
    // levelness threshold.
    // Also check to see if the pitch or roll exceed the threshold set on the view
    by // 20 units. This
    // prevents capturing an image when on the threshold boundary.
    if (pitch >= 45 || pitch >= captureView.getLevelThresholdPitch() + 20 ||
        roll >= 45 || roll >= captureView.getLevelThresholdRoll() + 20) {
        // Set the flag indicating that we are attempting to capture an image.
        capturing = true;
        // Enable continuous capture mode
        captureView.doContinuousMode(true);
    }
}
}

```

returnCameraEvents Method

The Android version of the SDK contains a `returnCameraEvents` method that must be set to `True` in order for an app to take advantage of page detect, levelness and stability threshold events. If this is left at the default or set to `False`, these threshold events are not returned. (324720)

Note This method does not exist in the iOS version of the SDK, where threshold events are always enabled.

Affected platforms and/or devices:

- Android

Workaround: None.

Quick Analysis Does Not Consistently Indicate Blurred Images

When requesting a quick analysis with the image processor API, the app may or may not request a reference image. When requesting a quick analysis without an image, the “blurry” setting is missed, and consequently the Quick Analysis Results object is not correctly setup. (323424)

Affected platforms and/or devices:

- iOS

Workaround: When using quick analysis, always request a reference image.

BankRight: Unable to Capture Multiple Driver Licenses

Capturing the front of a driver license, selecting Use, and then navigating back to the Home screen will cause the app to crash if you immediately try to capture the next image. (307418)

Affected platforms and/or devices:

- iOS
- iPhone 4
- BankRight

Workaround: Don't navigate back to the Home screen between front and back images, or wait long enough to ensure that the first image has finished processing before going on to the next image. Since the processing time is variable, there is no easy way to know how long a wait is required.

Camera Feed Upside Down on Landscape Tablets

Some tablets (those which are designed such that landscape mode is the natural orientation) may exhibit a problem where the camera view appears inverted in the tablet screen. (306611)

This occurs when rapidly rotating the device 180 degrees one or more times.

Affected platforms and/or devices:

- Android
- Asus Transformer
- Galaxy Tab 10.1
- Nexus 10
- Possibly others

Workaround: When rotating the tablet, pause for a few moments every 90 degrees. Alternatively, disable the auto-rotate screen option.

MICR Data Extracted From Image With No MICR Line

MICR data is returned in metadata when processing an image without a MICR line. (283904)

Affected platforms and/or devices:

- Android

App should include logic to confirm that returned MICR data is valid.

SDK Does Not Report KFS Out of Disk Space

KFS will reject new jobs when hard disk free space falls below a configurable limit. When the free space on the server falls below this limit, all devices connecting to KFS are supposed to report a server low disk space message at login, so that the end user will know that new jobs cannot be submitted. (23824)

Mobile devices currently do not report this message at login. Instead, the following error messages will appear when attempting to submit a job: “An error occurred submitting the case - Unknown transaction ID: [GUID]” or “Unknown transaction ID: [GUID] (Code 3).”

Affected platforms and/or devices:

- KMC Library

Resolved Issues

This section contains information about issues that have been resolved in prior releases of this product.

In Video Mode, LED Inconsistent Across Devices

During Capture with Video Mode On and Flash On, there was inconsistent flash lamp behavior across devices. For some devices the lamp was on and for other devices the lamp was off. (322722)

Affected platforms and/or devices:

- Android

Workaround: Do not set Flash to On when using Video Mode. This mode is currently unsupported.

Android: Level Indicator Switching Phases Rapidly

On the Motorola Moto G, the level indicator rapidly switched between states. (322233)

Affected platforms and/or devices:

- Android
- Moto G

Workaround: On this device only, set the sensitivity threshold for levelness between 60 and 70.

BankRight: Selecting Certain Bar Code Types

When scanning for bar codes on the back of a driver license, the app occasionally inappropriately recognized Code 39 bar codes. When this happened, no data was returned from the bar code. (307667)

Affected platforms and/or devices:

- Android
- BankRight

Workaround: Place a finger, or some other object, on the Code 39 bar code, and capture the image. This will force the bar code engine to pick up the supported PDF417 code instead, if one is present. Alternatively, modify the BankRight Android source code to only search for PDF417 type bar codes.

Pressing BankRight Back Button Causes Login Failure

If the Back button was repeatedly pressed immediately after the Check Deposit viewer screen appears, the app failed to log out of the server after returning to the Welcome screen. This made it impossible to log in again. (307433)

Affected platforms and/or devices:

- Android
- BankRight

Workaround: Wait for at least five seconds before pressing the Back button. If you find you cannot log in, force quit the app and try again.

Asus Transformer Camera Feed not Centered

Asus Transformer tablets (which are designed such that landscape mode is the natural orientation) exhibited a problem where the camera view appears off center in the tablet screen. (306608)

This was a known issue with the device firmware. To solve this problem ensure that your tablet has been upgraded to the most current version of the firmware.

Affected platforms and/or devices:

- Android
- Asus Transformer

Workaround: In Settings, turn off the auto-rotate screen option.

Asus Transformer Camera Feed not Centered

Asus Transformer tablets (which are designed such that landscape mode is the natural orientation) exhibited a problem where the camera view appears off center in the tablet screen. (306608)

This was a known issue with the device firmware. To solve this problem ensure that your tablet has been upgraded to the most current version of the firmware.

Affected platforms and/or devices:

- Android
- Asus Transformer

Workaround: In Settings, turn off the auto-rotate screen option.

Motorola MotoX Sensor Handling

There is a hardware compatibility issue for level detection when using the SKD ImageCaptureView class with the Motorola Moto X. When creating an App for this device, use the setMotionSensorType API method to bypass this compatibility issue. (293678)

Usage example:

```
((ImageCaptureView) preview).setMotionSensorType(MotionSensorType.RAW); // to force use raw sensors (accelerometer and magnetic sensors) for motion detect.
```

Note This API method is only supported for this device, do not use with other devices.

Affected platforms and/or devices:

- Android
- Motorola Moto X

Low DPI Settings Not Supported

Setting a DPI below 30 is not supported. As a general rule of thumb, try to use a DPI value between 200 and 300. (306154, 306152)

Affected platforms and/or devices:

- Android
- iOS

App should include logic to confirm to enforce minimum DPI settings.

Race Condition May Cause iPhones to Crash

A race-condition occurs during bar code capture when removing the bar code control from view. This most frequently causes the iPhone 4with iOS 7.1 to crash. However, in rare instances, this may also be seen on newer iPhones and older versions of iOS. (316394)

Affected platforms and/or devices:

- iPhone
- iOS

Unable to Select Certain Cases from Case List

If a personal shortcut has been configured in KFS 4.0.1, cases in the mobile application cannot be selected if they follow the personal shortcut in the list of cases. Also, that shortcut will be visible to all members of the same group. (SPR00116929)

Affected platforms and/or devices:

- iOS

Review Image Screen Doesn't Appear when Review is ON

The Review Image screen doesn't appear even though Review is set to ON but Auto-processing and Quality Feedback are both OFF. (SPR00116621)

When auto-processing and image quality feedback are OFF and review image is ON, after selecting a document from the camera roll or after capturing a document from the camera source, the review image is shown briefly and is then automatically dismissed without giving the user a chance to review the image.

Affected platforms and/or devices:

- iOS

“Use Kofax Server” Switch Blocks Custom URL

This issue occurs when an application is launched using a custom URL and the "Use Kofax Server" setting is also "ON." Under these conditions, the application ignores the login credentials in the custom URL.(SPR00116376)

Affected platforms and/or devices:

- iOS KMC Library

In iOS, Multiple Deprecation Errors when Compiling for iPad2

Developers are likely to see numerous deprecation errors when using XCode to compile the application for iPad2. These errors have no known impact on running the application and can be safely ignored.(SPR00115355)

Affected platforms and/or devices:

- iOS Sample Apps

Some Android Models May Have Imaging Issues

In some cases, pictures taken with some Android phone models may have poor resolution. (SPR00112259, SPR00115464)

If you experienced such issues, they should be resolved now.

Affected platforms and/or devices:

- Android

