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org.opencv.android

## Class JavaCameraView

* java.lang.Object
  + android.view.View
    - android.view.SurfaceView
      * [org.opencv.android.CameraBridgeViewBase](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html)
        + org.opencv.android.JavaCameraView
* All Implemented Interfaces: android.graphics.drawable.Drawable.Callback, android.hardware.Camera.PreviewCallback, android.view.accessibility.AccessibilityEventSource, android.view.KeyEvent.Callback, android.view.SurfaceHolder.Callback  
    
  public class JavaCameraView  
  extends [CameraBridgeViewBase](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html)  
  implements android.hardware.Camera.PreviewCallback  
  This class is an implementation of the Bridge View between OpenCV and Java Camera. This class relays on the functionality available in base class and only implements required functions: connectCamera - opens Java camera and sets the PreviewCallback to be delivered. disconnectCamera - closes the camera and stops preview. When frame is delivered via callback from Camera - it processed via OpenCV to be converted to RGBA32 and then passed to the external callback for modifications if required.

### Nested Class SummaryNested Classes

| Modifier and Type | Class and Description |
| --- | --- |
| static class | [**JavaCameraView.JavaCameraSizeAccessor**](http://docs.google.com/org/opencv/android/JavaCameraView.JavaCameraSizeAccessor.html) |

### Nested classes/interfaces inherited from class org.opencv.android.[**CameraBridgeViewBase**](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html)[CameraBridgeViewBase.CvCameraViewFrame](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.CvCameraViewFrame.html), [CameraBridgeViewBase.CvCameraViewListener](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.CvCameraViewListener.html), [CameraBridgeViewBase.CvCameraViewListener2](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.CvCameraViewListener2.html), [CameraBridgeViewBase.ListItemAccessor](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.ListItemAccessor.html)

### Nested classes/interfaces inherited from class android.view.Viewandroid.view.View.AccessibilityDelegate, android.view.View.BaseSavedState, android.view.View.DragShadowBuilder, android.view.View.MeasureSpec, android.view.View.OnAttachStateChangeListener, android.view.View.OnClickListener, android.view.View.OnCreateContextMenuListener, android.view.View.OnDragListener, android.view.View.OnFocusChangeListener, android.view.View.OnGenericMotionListener, android.view.View.OnHoverListener, android.view.View.OnKeyListener, android.view.View.OnLayoutChangeListener, android.view.View.OnLongClickListener, android.view.View.OnSystemUiVisibilityChangeListener, android.view.View.OnTouchListener

### Field Summary

### Fields inherited from class org.opencv.android.[**CameraBridgeViewBase**](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html)[CAMERA\_ID\_ANY](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#CAMERA_ID_ANY), [CAMERA\_ID\_BACK](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#CAMERA_ID_BACK), [CAMERA\_ID\_FRONT](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#CAMERA_ID_FRONT), [GRAY](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#GRAY), [RGBA](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#RGBA)

### Fields inherited from class android.view.ViewALPHA, DRAWING\_CACHE\_QUALITY\_AUTO, DRAWING\_CACHE\_QUALITY\_HIGH, DRAWING\_CACHE\_QUALITY\_LOW, FIND\_VIEWS\_WITH\_CONTENT\_DESCRIPTION, FIND\_VIEWS\_WITH\_TEXT, FOCUS\_BACKWARD, FOCUS\_DOWN, FOCUS\_FORWARD, FOCUS\_LEFT, FOCUS\_RIGHT, FOCUS\_UP, FOCUSABLES\_ALL, FOCUSABLES\_TOUCH\_MODE, GONE, HAPTIC\_FEEDBACK\_ENABLED, IMPORTANT\_FOR\_ACCESSIBILITY\_AUTO, IMPORTANT\_FOR\_ACCESSIBILITY\_NO, IMPORTANT\_FOR\_ACCESSIBILITY\_YES, INVISIBLE, KEEP\_SCREEN\_ON, LAYER\_TYPE\_HARDWARE, LAYER\_TYPE\_NONE, LAYER\_TYPE\_SOFTWARE, LAYOUT\_DIRECTION\_INHERIT, LAYOUT\_DIRECTION\_LOCALE, LAYOUT\_DIRECTION\_LTR, LAYOUT\_DIRECTION\_RTL, MEASURED\_HEIGHT\_STATE\_SHIFT, MEASURED\_SIZE\_MASK, MEASURED\_STATE\_MASK, MEASURED\_STATE\_TOO\_SMALL, NO\_ID, OVER\_SCROLL\_ALWAYS, OVER\_SCROLL\_IF\_CONTENT\_SCROLLS, OVER\_SCROLL\_NEVER, ROTATION, ROTATION\_X, ROTATION\_Y, SCALE\_X, SCALE\_Y, SCREEN\_STATE\_OFF, SCREEN\_STATE\_ON, SCROLLBAR\_POSITION\_DEFAULT, SCROLLBAR\_POSITION\_LEFT, SCROLLBAR\_POSITION\_RIGHT, SCROLLBARS\_INSIDE\_INSET, SCROLLBARS\_INSIDE\_OVERLAY, SCROLLBARS\_OUTSIDE\_INSET, SCROLLBARS\_OUTSIDE\_OVERLAY, SOUND\_EFFECTS\_ENABLED, STATUS\_BAR\_HIDDEN, STATUS\_BAR\_VISIBLE, SYSTEM\_UI\_FLAG\_FULLSCREEN, SYSTEM\_UI\_FLAG\_HIDE\_NAVIGATION, SYSTEM\_UI\_FLAG\_LAYOUT\_FULLSCREEN, SYSTEM\_UI\_FLAG\_LAYOUT\_HIDE\_NAVIGATION, SYSTEM\_UI\_FLAG\_LAYOUT\_STABLE, SYSTEM\_UI\_FLAG\_LOW\_PROFILE, SYSTEM\_UI\_FLAG\_VISIBLE, SYSTEM\_UI\_LAYOUT\_FLAGS, TEXT\_ALIGNMENT\_CENTER, TEXT\_ALIGNMENT\_GRAVITY, TEXT\_ALIGNMENT\_INHERIT, TEXT\_ALIGNMENT\_TEXT\_END, TEXT\_ALIGNMENT\_TEXT\_START, TEXT\_ALIGNMENT\_VIEW\_END, TEXT\_ALIGNMENT\_VIEW\_START, TEXT\_DIRECTION\_ANY\_RTL, TEXT\_DIRECTION\_FIRST\_STRONG, TEXT\_DIRECTION\_INHERIT, TEXT\_DIRECTION\_LOCALE, TEXT\_DIRECTION\_LTR, TEXT\_DIRECTION\_RTL, TRANSLATION\_X, TRANSLATION\_Y, VISIBLE, X, Y

### Constructor SummaryConstructors

| Constructor and Description |
| --- |
| [**JavaCameraView**](http://docs.google.com/org/opencv/android/JavaCameraView.html#JavaCameraView(android.content.Context,%20android.util.AttributeSet))(android.content.Context context, android.util.AttributeSet attrs) |
| [**JavaCameraView**](http://docs.google.com/org/opencv/android/JavaCameraView.html#JavaCameraView(android.content.Context,%20int))(android.content.Context context, int cameraId) |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| void | [**onPreviewFrame**](http://docs.google.com/org/opencv/android/JavaCameraView.html#onPreviewFrame(byte%5B%5D,%20android.hardware.Camera))(byte[] frame, android.hardware.Camera arg1) |

### Methods inherited from class org.opencv.android.[**CameraBridgeViewBase**](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html)[disableFpsMeter](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#disableFpsMeter()), [disableView](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#disableView()), [enableFpsMeter](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#enableFpsMeter()), [enableView](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#enableView()), [setCameraIndex](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#setCameraIndex(int)), [SetCaptureFormat](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#SetCaptureFormat(int)), [setCvCameraViewListener](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#setCvCameraViewListener(org.opencv.android.CameraBridgeViewBase.CvCameraViewListener)), [setCvCameraViewListener](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#setCvCameraViewListener(org.opencv.android.CameraBridgeViewBase.CvCameraViewListener2)), [setMaxFrameSize](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#setMaxFrameSize(int,%20int)), [surfaceChanged](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#surfaceChanged(android.view.SurfaceHolder,%20int,%20int,%20int)), [surfaceCreated](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#surfaceCreated(android.view.SurfaceHolder)), [surfaceDestroyed](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html#surfaceDestroyed(android.view.SurfaceHolder))

### Methods inherited from class android.view.SurfaceViewdraw, gatherTransparentRegion, getHolder, setSecure, setVisibility, setZOrderMediaOverlay, setZOrderOnTop

### Methods inherited from class android.view.ViewaddChildrenForAccessibility, addFocusables, addFocusables, addOnAttachStateChangeListener, addOnLayoutChangeListener, addTouchables, animate, announceForAccessibility, bringToFront, buildDrawingCache, buildDrawingCache, buildLayer, callOnClick, cancelLongPress, canScrollHorizontally, canScrollVertically, checkInputConnectionProxy, clearAnimation, clearFocus, combineMeasuredStates, computeScroll, createAccessibilityNodeInfo, createContextMenu, destroyDrawingCache, dispatchConfigurationChanged, dispatchDisplayHint, dispatchDragEvent, dispatchGenericMotionEvent, dispatchKeyEvent, dispatchKeyEventPreIme, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchSystemUiVisibilityChanged, dispatchTouchEvent, dispatchTrackballEvent, dispatchUnhandledMove, dispatchWindowFocusChanged, dispatchWindowSystemUiVisiblityChanged, dispatchWindowVisibilityChanged, findFocus, findViewById, findViewsWithText, findViewWithTag, focusSearch, forceLayout, generateViewId, getAccessibilityNodeProvider, getAlpha, getAnimation, getApplicationWindowToken, getBackground, getBaseline, getBottom, getCameraDistance, getClipBounds, getContentDescription, getContext, getDefaultSize, getDisplay, getDrawableState, getDrawingCache, getDrawingCache, getDrawingCacheBackgroundColor, getDrawingCacheQuality, getDrawingRect, getDrawingTime, getFilterTouchesWhenObscured, getFitsSystemWindows, getFocusables, getFocusedRect, getGlobalVisibleRect, getGlobalVisibleRect, getHandler, getHeight, getHitRect, getHorizontalFadingEdgeLength, getId, getImportantForAccessibility, getKeepScreenOn, getKeyDispatcherState, getLabelFor, getLayerType, getLayoutDirection, getLayoutParams, getLeft, getLocalVisibleRect, getLocationInWindow, getLocationOnScreen, getMatrix, getMeasuredHeight, getMeasuredHeightAndState, getMeasuredState, getMeasuredWidth, getMeasuredWidthAndState, getMinimumHeight, getMinimumWidth, getNextFocusDownId, getNextFocusForwardId, getNextFocusLeftId, getNextFocusRightId, getNextFocusUpId, getOnFocusChangeListener, getOverlay, getOverScrollMode, getPaddingBottom, getPaddingEnd, getPaddingLeft, getPaddingRight, getPaddingStart, getPaddingTop, getParent, getParentForAccessibility, getPivotX, getPivotY, getResources, getRight, getRootView, getRotation, getRotationX, getRotationY, getScaleX, getScaleY, getScrollBarDefaultDelayBeforeFade, getScrollBarFadeDuration, getScrollBarSize, getScrollBarStyle, getScrollX, getScrollY, getSolidColor, getSystemUiVisibility, getTag, getTag, getTextAlignment, getTextDirection, getTop, getTouchables, getTouchDelegate, getTranslationX, getTranslationY, getVerticalFadingEdgeLength, getVerticalScrollbarPosition, getVerticalScrollbarWidth, getViewTreeObserver, getVisibility, getWidth, getWindowId, getWindowSystemUiVisibility, getWindowToken, getWindowVisibility, getWindowVisibleDisplayFrame, getX, getY, hasFocus, hasFocusable, hasOnClickListeners, hasOverlappingRendering, hasTransientState, hasWindowFocus, inflate, invalidate, invalidate, invalidate, invalidateDrawable, isActivated, isClickable, isDirty, isDrawingCacheEnabled, isDuplicateParentStateEnabled, isEnabled, isFocusable, isFocusableInTouchMode, isFocused, isHapticFeedbackEnabled, isHardwareAccelerated, isHorizontalFadingEdgeEnabled, isHorizontalScrollBarEnabled, isHovered, isInEditMode, isInLayout, isInTouchMode, isLayoutRequested, isLongClickable, isOpaque, isPaddingRelative, isPressed, isSaveEnabled, isSaveFromParentEnabled, isScrollbarFadingEnabled, isScrollContainer, isSelected, isShown, isSoundEffectsEnabled, isVerticalFadingEdgeEnabled, isVerticalScrollBarEnabled, jumpDrawablesToCurrentState, layout, measure, offsetLeftAndRight, offsetTopAndBottom, onCheckIsTextEditor, onCreateInputConnection, onDragEvent, onFilterTouchEventForSecurity, onFinishTemporaryDetach, onGenericMotionEvent, onHoverChanged, onHoverEvent, onInitializeAccessibilityEvent, onInitializeAccessibilityNodeInfo, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyPreIme, onKeyShortcut, onKeyUp, onPopulateAccessibilityEvent, onRtlPropertiesChanged, onScreenStateChanged, onStartTemporaryDetach, onTouchEvent, onTrackballEvent, onWindowFocusChanged, onWindowSystemUiVisibilityChanged, performAccessibilityAction, performClick, performHapticFeedback, performHapticFeedback, performLongClick, playSoundEffect, post, postDelayed, postInvalidate, postInvalidate, postInvalidateDelayed, postInvalidateDelayed, postInvalidateOnAnimation, postInvalidateOnAnimation, postOnAnimation, postOnAnimationDelayed, refreshDrawableState, removeCallbacks, removeOnAttachStateChangeListener, removeOnLayoutChangeListener, requestFitSystemWindows, requestFocus, requestFocus, requestFocus, requestFocusFromTouch, requestLayout, requestRectangleOnScreen, requestRectangleOnScreen, resolveSize, resolveSizeAndState, restoreHierarchyState, saveHierarchyState, scheduleDrawable, scrollBy, scrollTo, sendAccessibilityEvent, sendAccessibilityEventUnchecked, setAccessibilityDelegate, setActivated, setAlpha, setAnimation, setBackground, setBackgroundColor, setBackgroundDrawable, setBackgroundResource, setBottom, setCameraDistance, setClickable, setClipBounds, setContentDescription, setDrawingCacheBackgroundColor, setDrawingCacheEnabled, setDrawingCacheQuality, setDuplicateParentStateEnabled, setEnabled, setFadingEdgeLength, setFilterTouchesWhenObscured, setFitsSystemWindows, setFocusable, setFocusableInTouchMode, setHapticFeedbackEnabled, setHasTransientState, setHorizontalFadingEdgeEnabled, setHorizontalScrollBarEnabled, setHovered, setId, setImportantForAccessibility, setKeepScreenOn, setLabelFor, setLayerPaint, setLayerType, setLayoutDirection, setLayoutParams, setLeft, setLongClickable, setMinimumHeight, setMinimumWidth, setNextFocusDownId, setNextFocusForwardId, setNextFocusLeftId, setNextFocusRightId, setNextFocusUpId, setOnClickListener, setOnCreateContextMenuListener, setOnDragListener, setOnFocusChangeListener, setOnGenericMotionListener, setOnHoverListener, setOnKeyListener, setOnLongClickListener, setOnSystemUiVisibilityChangeListener, setOnTouchListener, setOverScrollMode, setPadding, setPaddingRelative, setPivotX, setPivotY, setPressed, setRight, setRotation, setRotationX, setRotationY, setSaveEnabled, setSaveFromParentEnabled, setScaleX, setScaleY, setScrollBarDefaultDelayBeforeFade, setScrollBarFadeDuration, setScrollbarFadingEnabled, setScrollBarSize, setScrollBarStyle, setScrollContainer, setScrollX, setScrollY, setSelected, setSoundEffectsEnabled, setSystemUiVisibility, setTag, setTag, setTextAlignment, setTextDirection, setTop, setTouchDelegate, setTranslationX, setTranslationY, setVerticalFadingEdgeEnabled, setVerticalScrollBarEnabled, setVerticalScrollbarPosition, setWillNotCacheDrawing, setWillNotDraw, setX, setY, showContextMenu, startActionMode, startAnimation, startDrag, toString, unscheduleDrawable, unscheduleDrawable, willNotCacheDrawing, willNotDraw

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, wait, wait, wait

### Constructor Detail

#### JavaCameraView public JavaCameraView(android.content.Context context, android.util.AttributeSet attrs)

#### JavaCameraView public JavaCameraView(android.content.Context context, int cameraId)

### Method Detail

#### onPreviewFrame public void onPreviewFrame(byte[] frame, android.hardware.Camera arg1)**Specified by:** onPreviewFrame in interface android.hardware.Camera.PreviewCallback

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