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org.opencv.android

## Class CameraGLSurfaceView

* java.lang.Object
  + android.view.View
    - android.view.SurfaceView
      * android.opengl.GLSurfaceView
        + org.opencv.android.CameraGLSurfaceView
* All Implemented Interfaces: android.graphics.drawable.Drawable.Callback, android.view.accessibility.AccessibilityEventSource, android.view.KeyEvent.Callback, android.view.SurfaceHolder.Callback  
    
  public class CameraGLSurfaceView  
  extends android.opengl.GLSurfaceView

### Nested Class SummaryNested Classes

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

### Nested classes/interfaces inherited from class android.opengl.GLSurfaceViewandroid.opengl.GLSurfaceView.EGLConfigChooser, android.opengl.GLSurfaceView.EGLContextFactory, android.opengl.GLSurfaceView.EGLWindowSurfaceFactory, android.opengl.GLSurfaceView.GLWrapper, android.opengl.GLSurfaceView.Renderer

### 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 android.opengl.GLSurfaceViewDEBUG\_CHECK\_GL\_ERROR, DEBUG\_LOG\_GL\_CALLS, RENDERMODE\_CONTINUOUSLY, RENDERMODE\_WHEN\_DIRTY

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

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| void | [**disableView**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#disableView())() |
| void | [**enableView**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#enableView())() |
| [CameraGLSurfaceView.CameraTextureListener](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.CameraTextureListener.html) | [**getCameraTextureListener**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#getCameraTextureListener())() |
| void | [**onPause**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#onPause())() |
| void | [**onResume**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#onResume())() |
| void | [**setCameraIndex**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#setCameraIndex(int))(int cameraIndex) |
| void | [**setCameraTextureListener**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#setCameraTextureListener(org.opencv.android.CameraGLSurfaceView.CameraTextureListener))([CameraGLSurfaceView.CameraTextureListener](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.CameraTextureListener.html) texListener) |
| void | [**setMaxCameraPreviewSize**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#setMaxCameraPreviewSize(int,%20int))(int maxWidth, int maxHeight) |
| void | [**surfaceChanged**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#surfaceChanged(android.view.SurfaceHolder,%20int,%20int,%20int))(android.view.SurfaceHolder holder, int format, int w, int h) |
| void | [**surfaceCreated**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#surfaceCreated(android.view.SurfaceHolder))(android.view.SurfaceHolder holder) |
| void | [**surfaceDestroyed**](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html#surfaceDestroyed(android.view.SurfaceHolder))(android.view.SurfaceHolder holder) |

### Methods inherited from class android.opengl.GLSurfaceViewgetDebugFlags, getPreserveEGLContextOnPause, getRenderMode, queueEvent, requestRender, setDebugFlags, setEGLConfigChooser, setEGLConfigChooser, setEGLConfigChooser, setEGLContextClientVersion, setEGLContextFactory, setEGLWindowSurfaceFactory, setGLWrapper, setPreserveEGLContextOnPause, setRenderer, setRenderMode

### 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

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

### Method Detail

#### disableView public void disableView()

#### enableView public void enableView()

#### getCameraTextureListener public [CameraGLSurfaceView.CameraTextureListener](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.CameraTextureListener.html) getCameraTextureListener()

#### onPause public void onPause()**Overrides:** onPause in class android.opengl.GLSurfaceView

#### onResume public void onResume()**Overrides:** onResume in class android.opengl.GLSurfaceView

#### setCameraIndex public void setCameraIndex(int cameraIndex)

#### setCameraTextureListener public void setCameraTextureListener([CameraGLSurfaceView.CameraTextureListener](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.CameraTextureListener.html) texListener)

#### setMaxCameraPreviewSize public void setMaxCameraPreviewSize(int maxWidth, int maxHeight)

#### surfaceChanged public void surfaceChanged(android.view.SurfaceHolder holder, int format, int w, int h)**Specified by:** surfaceChanged in interface android.view.SurfaceHolder.Callback **Overrides:** surfaceChanged in class android.opengl.GLSurfaceView

#### surfaceCreated public void surfaceCreated(android.view.SurfaceHolder holder)**Specified by:** surfaceCreated in interface android.view.SurfaceHolder.Callback **Overrides:** surfaceCreated in class android.opengl.GLSurfaceView

#### surfaceDestroyed public void surfaceDestroyed(android.view.SurfaceHolder holder)**Specified by:** surfaceDestroyed in interface android.view.SurfaceHolder.Callback **Overrides:** surfaceDestroyed in class android.opengl.GLSurfaceView

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