JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
* Package
* Class
* Tree
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* Prev
* Next
* [Frames](http://docs.google.com/index.html?overview-tree.html)
* [No Frames](http://docs.google.com/overview-tree.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

Hierarchy For All Packages

Package Hierarchies:

* [org.opencv.android](http://docs.google.com/org/opencv/android/package-tree.html),
* [org.opencv.calib3d](http://docs.google.com/org/opencv/calib3d/package-tree.html),
* [org.opencv.core](http://docs.google.com/org/opencv/core/package-tree.html),
* [org.opencv.dnn](http://docs.google.com/org/opencv/dnn/package-tree.html),
* [org.opencv.features2d](http://docs.google.com/org/opencv/features2d/package-tree.html),
* [org.opencv.imgcodecs](http://docs.google.com/org/opencv/imgcodecs/package-tree.html),
* [org.opencv.imgproc](http://docs.google.com/org/opencv/imgproc/package-tree.html),
* [org.opencv.ml](http://docs.google.com/org/opencv/ml/package-tree.html),
* [org.opencv.objdetect](http://docs.google.com/org/opencv/objdetect/package-tree.html),
* [org.opencv.osgi](http://docs.google.com/org/opencv/osgi/package-tree.html),
* [org.opencv.photo](http://docs.google.com/org/opencv/photo/package-tree.html),
* [org.opencv.utils](http://docs.google.com/org/opencv/utils/package-tree.html),
* [org.opencv.video](http://docs.google.com/org/opencv/video/package-tree.html),
* [org.opencv.videoio](http://docs.google.com/org/opencv/videoio/package-tree.html)

Class Hierarchy

* java.lang.Object
  + org.opencv.core.[Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - org.opencv.photo.[AlignExposures](http://docs.google.com/org/opencv/photo/AlignExposures.html)
      * org.opencv.photo.[AlignMTB](http://docs.google.com/org/opencv/photo/AlignMTB.html)
    - org.opencv.video.[BackgroundSubtractor](http://docs.google.com/org/opencv/video/BackgroundSubtractor.html)
      * org.opencv.video.[BackgroundSubtractorKNN](http://docs.google.com/org/opencv/video/BackgroundSubtractorKNN.html)
      * org.opencv.video.[BackgroundSubtractorMOG2](http://docs.google.com/org/opencv/video/BackgroundSubtractorMOG2.html)
    - org.opencv.objdetect.[BaseCascadeClassifier](http://docs.google.com/org/opencv/objdetect/BaseCascadeClassifier.html)
    - org.opencv.photo.[CalibrateCRF](http://docs.google.com/org/opencv/photo/CalibrateCRF.html)
      * org.opencv.photo.[CalibrateDebevec](http://docs.google.com/org/opencv/photo/CalibrateDebevec.html)
      * org.opencv.photo.[CalibrateRobertson](http://docs.google.com/org/opencv/photo/CalibrateRobertson.html)
    - org.opencv.imgproc.[CLAHE](http://docs.google.com/org/opencv/imgproc/CLAHE.html)
    - org.opencv.video.[DenseOpticalFlow](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html)
      * org.opencv.video.[DualTVL1OpticalFlow](http://docs.google.com/org/opencv/video/DualTVL1OpticalFlow.html)
      * org.opencv.video.[FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html)
    - org.opencv.features2d.[DescriptorMatcher](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html)
      * org.opencv.features2d.[BFMatcher](http://docs.google.com/org/opencv/features2d/BFMatcher.html)
      * org.opencv.features2d.[FlannBasedMatcher](http://docs.google.com/org/opencv/features2d/FlannBasedMatcher.html)
    - org.opencv.features2d.[Feature2D](http://docs.google.com/org/opencv/features2d/Feature2D.html)
      * org.opencv.features2d.[AffineFeature](http://docs.google.com/org/opencv/features2d/AffineFeature.html)
      * org.opencv.features2d.[AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html)
      * org.opencv.features2d.[AKAZE](http://docs.google.com/org/opencv/features2d/AKAZE.html)
      * org.opencv.features2d.[BRISK](http://docs.google.com/org/opencv/features2d/BRISK.html)
      * org.opencv.features2d.[FastFeatureDetector](http://docs.google.com/org/opencv/features2d/FastFeatureDetector.html)
      * org.opencv.features2d.[GFTTDetector](http://docs.google.com/org/opencv/features2d/GFTTDetector.html)
      * org.opencv.features2d.[KAZE](http://docs.google.com/org/opencv/features2d/KAZE.html)
      * org.opencv.features2d.[MSER](http://docs.google.com/org/opencv/features2d/MSER.html)
      * org.opencv.features2d.[ORB](http://docs.google.com/org/opencv/features2d/ORB.html)
      * org.opencv.features2d.[SIFT](http://docs.google.com/org/opencv/features2d/SIFT.html)
      * org.opencv.features2d.[SimpleBlobDetector](http://docs.google.com/org/opencv/features2d/SimpleBlobDetector.html)
    - org.opencv.imgproc.[GeneralizedHough](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html)
      * org.opencv.imgproc.[GeneralizedHoughBallard](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughBallard.html)
      * org.opencv.imgproc.[GeneralizedHoughGuil](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html)
    - org.opencv.dnn.[Layer](http://docs.google.com/org/opencv/dnn/Layer.html)
    - org.opencv.imgproc.[LineSegmentDetector](http://docs.google.com/org/opencv/imgproc/LineSegmentDetector.html)
    - org.opencv.photo.[MergeExposures](http://docs.google.com/org/opencv/photo/MergeExposures.html)
      * org.opencv.photo.[MergeDebevec](http://docs.google.com/org/opencv/photo/MergeDebevec.html)
      * org.opencv.photo.[MergeMertens](http://docs.google.com/org/opencv/photo/MergeMertens.html)
      * org.opencv.photo.[MergeRobertson](http://docs.google.com/org/opencv/photo/MergeRobertson.html)
    - org.opencv.video.[SparseOpticalFlow](http://docs.google.com/org/opencv/video/SparseOpticalFlow.html)
      * org.opencv.video.[SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html)
    - org.opencv.ml.[StatModel](http://docs.google.com/org/opencv/ml/StatModel.html)
      * org.opencv.ml.[ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html)
        + org.opencv.ml.[ANN\_MLP\_ANNEAL](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html)
      * org.opencv.ml.[DTrees](http://docs.google.com/org/opencv/ml/DTrees.html)
        + org.opencv.ml.[Boost](http://docs.google.com/org/opencv/ml/Boost.html)
        + org.opencv.ml.[RTrees](http://docs.google.com/org/opencv/ml/RTrees.html)
      * org.opencv.ml.[EM](http://docs.google.com/org/opencv/ml/EM.html)
      * org.opencv.ml.[KNearest](http://docs.google.com/org/opencv/ml/KNearest.html)
      * org.opencv.ml.[LogisticRegression](http://docs.google.com/org/opencv/ml/LogisticRegression.html)
      * org.opencv.ml.[NormalBayesClassifier](http://docs.google.com/org/opencv/ml/NormalBayesClassifier.html)
      * org.opencv.ml.[SVM](http://docs.google.com/org/opencv/ml/SVM.html)
      * org.opencv.ml.[SVMSGD](http://docs.google.com/org/opencv/ml/SVMSGD.html)
    - org.opencv.calib3d.[StereoMatcher](http://docs.google.com/org/opencv/calib3d/StereoMatcher.html)
      * org.opencv.calib3d.[StereoBM](http://docs.google.com/org/opencv/calib3d/StereoBM.html)
      * org.opencv.calib3d.[StereoSGBM](http://docs.google.com/org/opencv/calib3d/StereoSGBM.html)
    - org.opencv.photo.[Tonemap](http://docs.google.com/org/opencv/photo/Tonemap.html)
      * org.opencv.photo.[TonemapDrago](http://docs.google.com/org/opencv/photo/TonemapDrago.html)
      * org.opencv.photo.[TonemapMantiuk](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html)
      * org.opencv.photo.[TonemapReinhard](http://docs.google.com/org/opencv/photo/TonemapReinhard.html)
  + org.opencv.android.[BaseLoaderCallback](http://docs.google.com/org/opencv/android/BaseLoaderCallback.html) (implements org.opencv.android.[LoaderCallbackInterface](http://docs.google.com/org/opencv/android/LoaderCallbackInterface.html))
  + org.opencv.features2d.[BOWImgDescriptorExtractor](http://docs.google.com/org/opencv/features2d/BOWImgDescriptorExtractor.html)
  + org.opencv.features2d.[BOWTrainer](http://docs.google.com/org/opencv/features2d/BOWTrainer.html)
    - org.opencv.features2d.[BOWKMeansTrainer](http://docs.google.com/org/opencv/features2d/BOWKMeansTrainer.html)
  + org.opencv.calib3d.[Calib3d](http://docs.google.com/org/opencv/calib3d/Calib3d.html)
  + org.opencv.android.[CameraGLRendererBase](http://docs.google.com/org/opencv/android/CameraGLRendererBase.html) (implements android.opengl.GLSurfaceView.Renderer, android.graphics.SurfaceTexture.OnFrameAvailableListener)
    - org.opencv.android.[Camera2Renderer](http://docs.google.com/org/opencv/android/Camera2Renderer.html)
    - org.opencv.android.[CameraRenderer](http://docs.google.com/org/opencv/android/CameraRenderer.html)
  + org.opencv.objdetect.[CascadeClassifier](http://docs.google.com/org/opencv/objdetect/CascadeClassifier.html)
  + org.opencv.utils.[Converters](http://docs.google.com/org/opencv/utils/Converters.html)
  + org.opencv.core.[Core](http://docs.google.com/org/opencv/core/Core.html)
  + org.opencv.core.[Core.MinMaxLocResult](http://docs.google.com/org/opencv/core/Core.MinMaxLocResult.html)
  + org.opencv.core.[CvType](http://docs.google.com/org/opencv/core/CvType.html)
  + org.opencv.dnn.[DictValue](http://docs.google.com/org/opencv/dnn/DictValue.html)
  + org.opencv.core.[DMatch](http://docs.google.com/org/opencv/core/DMatch.html)
  + org.opencv.dnn.[Dnn](http://docs.google.com/org/opencv/dnn/Dnn.html)
  + org.opencv.features2d.[Features2d](http://docs.google.com/org/opencv/features2d/Features2d.html)
  + org.opencv.android.[FpsMeter](http://docs.google.com/org/opencv/android/FpsMeter.html)
  + org.opencv.objdetect.[HOGDescriptor](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html)
  + org.opencv.imgcodecs.[Imgcodecs](http://docs.google.com/org/opencv/imgcodecs/Imgcodecs.html)
  + org.opencv.imgproc.[Imgproc](http://docs.google.com/org/opencv/imgproc/Imgproc.html)
  + org.opencv.android.[JavaCamera2View.JavaCameraSizeAccessor](http://docs.google.com/org/opencv/android/JavaCamera2View.JavaCameraSizeAccessor.html) (implements org.opencv.android.[CameraBridgeViewBase.ListItemAccessor](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.ListItemAccessor.html))
  + org.opencv.android.[JavaCameraView.JavaCameraSizeAccessor](http://docs.google.com/org/opencv/android/JavaCameraView.JavaCameraSizeAccessor.html) (implements org.opencv.android.[CameraBridgeViewBase.ListItemAccessor](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.ListItemAccessor.html))
  + org.opencv.video.[KalmanFilter](http://docs.google.com/org/opencv/video/KalmanFilter.html)
  + org.opencv.core.[KeyPoint](http://docs.google.com/org/opencv/core/KeyPoint.html)
  + org.opencv.core.[Mat](http://docs.google.com/org/opencv/core/Mat.html)
    - org.opencv.core.[MatOfByte](http://docs.google.com/org/opencv/core/MatOfByte.html)
    - org.opencv.core.[MatOfDMatch](http://docs.google.com/org/opencv/core/MatOfDMatch.html)
    - org.opencv.core.[MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html)
    - org.opencv.core.[MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html)
    - org.opencv.core.[MatOfFloat4](http://docs.google.com/org/opencv/core/MatOfFloat4.html)
    - org.opencv.core.[MatOfFloat6](http://docs.google.com/org/opencv/core/MatOfFloat6.html)
    - org.opencv.core.[MatOfInt](http://docs.google.com/org/opencv/core/MatOfInt.html)
    - org.opencv.core.[MatOfInt4](http://docs.google.com/org/opencv/core/MatOfInt4.html)
    - org.opencv.core.[MatOfKeyPoint](http://docs.google.com/org/opencv/core/MatOfKeyPoint.html)
    - org.opencv.core.[MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html)
    - org.opencv.core.[MatOfPoint2f](http://docs.google.com/org/opencv/core/MatOfPoint2f.html)
    - org.opencv.core.[MatOfPoint3](http://docs.google.com/org/opencv/core/MatOfPoint3.html)
    - org.opencv.core.[MatOfPoint3f](http://docs.google.com/org/opencv/core/MatOfPoint3f.html)
    - org.opencv.core.[MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html)
    - org.opencv.core.[MatOfRect2d](http://docs.google.com/org/opencv/core/MatOfRect2d.html)
    - org.opencv.core.[MatOfRotatedRect](http://docs.google.com/org/opencv/core/MatOfRotatedRect.html)
  + org.opencv.ml.[Ml](http://docs.google.com/org/opencv/ml/Ml.html)
  + org.opencv.imgproc.[Moments](http://docs.google.com/org/opencv/imgproc/Moments.html)
  + org.opencv.dnn.[Net](http://docs.google.com/org/opencv/dnn/Net.html)
  + org.opencv.objdetect.[Objdetect](http://docs.google.com/org/opencv/objdetect/Objdetect.html)
  + org.opencv.android.[OpenCVLoader](http://docs.google.com/org/opencv/android/OpenCVLoader.html)
  + org.opencv.osgi.[OpenCVNativeLoader](http://docs.google.com/org/opencv/osgi/OpenCVNativeLoader.html) (implements org.opencv.osgi.[OpenCVInterface](http://docs.google.com/org/opencv/osgi/OpenCVInterface.html))
  + org.opencv.ml.[ParamGrid](http://docs.google.com/org/opencv/ml/ParamGrid.html)
  + org.opencv.features2d.[Params](http://docs.google.com/org/opencv/features2d/Params.html)
  + org.opencv.photo.[Photo](http://docs.google.com/org/opencv/photo/Photo.html)
  + org.opencv.core.[Point](http://docs.google.com/org/opencv/core/Point.html)
  + org.opencv.core.[Point3](http://docs.google.com/org/opencv/core/Point3.html)
  + org.opencv.objdetect.[QRCodeDetector](http://docs.google.com/org/opencv/objdetect/QRCodeDetector.html)
  + org.opencv.core.[Range](http://docs.google.com/org/opencv/core/Range.html)
  + org.opencv.core.[Rect](http://docs.google.com/org/opencv/core/Rect.html)
  + org.opencv.core.[Rect2d](http://docs.google.com/org/opencv/core/Rect2d.html)
  + org.opencv.core.[RotatedRect](http://docs.google.com/org/opencv/core/RotatedRect.html)
  + org.opencv.core.[Scalar](http://docs.google.com/org/opencv/core/Scalar.html)
  + org.opencv.core.[Size](http://docs.google.com/org/opencv/core/Size.html)
  + org.opencv.imgproc.[Subdiv2D](http://docs.google.com/org/opencv/imgproc/Subdiv2D.html)
  + org.opencv.core.[TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html)
  + java.lang.Throwable (implements java.io.Serializable)
    - java.lang.Exception
      * java.lang.RuntimeException
        + org.opencv.core.[CvException](http://docs.google.com/org/opencv/core/CvException.html)
  + org.opencv.core.[TickMeter](http://docs.google.com/org/opencv/core/TickMeter.html)
  + org.opencv.ml.[TrainData](http://docs.google.com/org/opencv/ml/TrainData.html)
  + org.opencv.android.[Utils](http://docs.google.com/org/opencv/android/Utils.html)
  + org.opencv.video.[Video](http://docs.google.com/org/opencv/video/Video.html)
  + org.opencv.videoio.[VideoCapture](http://docs.google.com/org/opencv/videoio/VideoCapture.html)
  + org.opencv.videoio.[Videoio](http://docs.google.com/org/opencv/videoio/Videoio.html)
  + org.opencv.videoio.[VideoWriter](http://docs.google.com/org/opencv/videoio/VideoWriter.html)
  + android.view.View (implements android.view.accessibility.AccessibilityEventSource, android.graphics.drawable.Drawable.Callback, android.view.KeyEvent.Callback)
    - android.view.SurfaceView
      * org.opencv.android.[CameraBridgeViewBase](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.html) (implements android.view.SurfaceHolder.Callback)
        + org.opencv.android.[JavaCamera2View](http://docs.google.com/org/opencv/android/JavaCamera2View.html)
        + org.opencv.android.[JavaCameraView](http://docs.google.com/org/opencv/android/JavaCameraView.html) (implements android.hardware.Camera.PreviewCallback)
      * android.opengl.GLSurfaceView (implements android.view.SurfaceHolder.Callback)
        + org.opencv.android.[CameraGLSurfaceView](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.html)

## Interface Hierarchy

* org.opencv.android.[CameraBridgeViewBase.CvCameraViewFrame](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.CvCameraViewFrame.html)
* org.opencv.android.[CameraBridgeViewBase.CvCameraViewListener](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.CvCameraViewListener.html)
* org.opencv.android.[CameraBridgeViewBase.CvCameraViewListener2](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.CvCameraViewListener2.html)
* org.opencv.android.[CameraBridgeViewBase.ListItemAccessor](http://docs.google.com/org/opencv/android/CameraBridgeViewBase.ListItemAccessor.html)
* org.opencv.android.[CameraGLSurfaceView.CameraTextureListener](http://docs.google.com/org/opencv/android/CameraGLSurfaceView.CameraTextureListener.html)
* org.opencv.android.[InstallCallbackInterface](http://docs.google.com/org/opencv/android/InstallCallbackInterface.html)
* org.opencv.android.[LoaderCallbackInterface](http://docs.google.com/org/opencv/android/LoaderCallbackInterface.html)
* org.opencv.osgi.[OpenCVInterface](http://docs.google.com/org/opencv/osgi/OpenCVInterface.html)

* [Overview](http://docs.google.com/overview-summary.html)
* Package
* Class
* Tree
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* Prev
* Next
* [Frames](http://docs.google.com/index.html?overview-tree.html)
* [No Frames](http://docs.google.com/overview-tree.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

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