| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/imageio/ImageReadParam.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/imageio//class-useImageReadParam.html)    [**NO FRAMES**](http://docs.google.com/ImageReadParam.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.imageio.ImageReadParam**

| Packages that use [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) | |
| --- | --- |
| [**javax.imageio**](#3znysh7) | The main package of the Java Image I/O API. |
| [**javax.imageio.plugins.jpeg**](#2et92p0) | Classes supporting the built-in JPEG plug-in. |

| Uses of [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) | |
| --- | --- |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) that return [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) | |
| --- | --- |
| [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) | **ImageReader.**[**getDefaultReadParam**](http://docs.google.com/javax/imageio/ImageReader.html#getDefaultReadParam())()            Returns a default ImageReadParam object appropriate for this format. |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) with parameters of type [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) | |
| --- | --- |
| protected static void | **ImageReader.**[**checkReadParamBandSettings**](http://docs.google.com/javax/imageio/ImageReader.html#checkReadParamBandSettings(javax.imageio.ImageReadParam,%20int,%20int))([ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param, int numSrcBands, int numDstBands)            A utility method that may be used by readers to test the validity of the source and destination band settings of an ImageReadParam. |
| protected static void | **ImageReader.**[**computeRegions**](http://docs.google.com/javax/imageio/ImageReader.html#computeRegions(javax.imageio.ImageReadParam,%20int,%20int,%20java.awt.image.BufferedImage,%20java.awt.Rectangle,%20java.awt.Rectangle))([ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param, int srcWidth, int srcHeight, [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) image, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) srcRegion, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) destRegion)            Computes the source region of interest and the destination region of interest, taking the width and height of the source image, an optional destination image, and an optional ImageReadParam into account. |
| protected static [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) | **ImageReader.**[**getDestination**](http://docs.google.com/javax/imageio/ImageReader.html#getDestination(javax.imageio.ImageReadParam,%20java.util.Iterator,%20int,%20int))([ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param, [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageTypeSpecifier](http://docs.google.com/javax/imageio/ImageTypeSpecifier.html)> imageTypes, int width, int height)            Returns the BufferedImage to which decoded pixel data should be written. |
| protected static [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **ImageReader.**[**getSourceRegion**](http://docs.google.com/javax/imageio/ImageReader.html#getSourceRegion(javax.imageio.ImageReadParam,%20int,%20int))([ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param, int srcWidth, int srcHeight)            A utility method that may be used by readers to compute the region of the source image that should be read, taking into account any source region and subsampling offset settings in the supplied ImageReadParam. |
| abstract  [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) | **ImageReader.**[**read**](http://docs.google.com/javax/imageio/ImageReader.html#read(int,%20javax.imageio.ImageReadParam))(int imageIndex, [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param)            Reads the image indexed by imageIndex and returns it as a complete BufferedImage, using a supplied ImageReadParam. |
| [IIOImage](http://docs.google.com/javax/imageio/IIOImage.html) | **ImageReader.**[**readAll**](http://docs.google.com/javax/imageio/ImageReader.html#readAll(int,%20javax.imageio.ImageReadParam))(int imageIndex, [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param)            Reads the image indexed by imageIndex and returns an IIOImage containing the image, thumbnails, and associated image metadata, using a supplied ImageReadParam. |
| [RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) | **ImageReader.**[**readAsRenderedImage**](http://docs.google.com/javax/imageio/ImageReader.html#readAsRenderedImage(int,%20javax.imageio.ImageReadParam))(int imageIndex, [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param)            Returns a RenderedImage object that contains the contents of the image indexed by imageIndex. |
| [Raster](http://docs.google.com/java/awt/image/Raster.html) | **ImageReader.**[**readRaster**](http://docs.google.com/javax/imageio/ImageReader.html#readRaster(int,%20javax.imageio.ImageReadParam))(int imageIndex, [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param)            Returns a new Raster object containing the raw pixel data from the image stream, without any color conversion applied. |

| Method parameters in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) with type arguments of type [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[IIOImage](http://docs.google.com/javax/imageio/IIOImage.html)> | **ImageReader.**[**readAll**](http://docs.google.com/javax/imageio/ImageReader.html#readAll(java.util.Iterator))([Iterator](http://docs.google.com/java/util/Iterator.html)<? extends [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html)> params)            Returns an Iterator containing all the images, thumbnails, and metadata, starting at the index given by getMinIndex, from the input source in the form of IIOImage objects. |

| Uses of [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) in [javax.imageio.plugins.jpeg](http://docs.google.com/javax/imageio/plugins/jpeg/package-summary.html) | |
| --- | --- |

| Subclasses of [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) in [javax.imageio.plugins.jpeg](http://docs.google.com/javax/imageio/plugins/jpeg/package-summary.html) | |
| --- | --- |
| class | [**JPEGImageReadParam**](http://docs.google.com/javax/imageio/plugins/jpeg/JPEGImageReadParam.html)            This class adds the ability to set JPEG quantization and Huffman tables when using the built-in JPEG reader plug-in. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/imageio/ImageReadParam.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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