| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/image/DataBuffer.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/image//class-useDataBuffer.html)    [**NO FRAMES**](http://docs.google.com/DataBuffer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.image.DataBuffer**

| Packages that use [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | |
| --- | --- |
| [**java.awt.image**](#3znysh7) | Provides classes for creating and modifying images. |

| Uses of [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
| --- | --- |

| Subclasses of [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
| --- | --- |
| class | [**DataBufferByte**](http://docs.google.com/java/awt/image/DataBufferByte.html)            This class extends DataBuffer and stores data internally as bytes. |
| class | [**DataBufferDouble**](http://docs.google.com/java/awt/image/DataBufferDouble.html)            This class extends DataBuffer and stores data internally in double form. |
| class | [**DataBufferFloat**](http://docs.google.com/java/awt/image/DataBufferFloat.html)            This class extends DataBuffer and stores data internally in float form. |
| class | [**DataBufferInt**](http://docs.google.com/java/awt/image/DataBufferInt.html)            This class extends DataBuffer and stores data internally as integers. |
| class | [**DataBufferShort**](http://docs.google.com/java/awt/image/DataBufferShort.html)            This class extends DataBuffer and stores data internally as shorts. |
| class | [**DataBufferUShort**](http://docs.google.com/java/awt/image/DataBufferUShort.html)            This class extends DataBuffer and stores data internally as shorts. |

| Fields in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) declared as [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | |
| --- | --- |
| protected  [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | **Raster.**[**dataBuffer**](http://docs.google.com/java/awt/image/Raster.html#dataBuffer)            The DataBuffer that stores the image data. |

| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) that return [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | |
| --- | --- |
| [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | **MultiPixelPackedSampleModel.**[**createDataBuffer**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html#createDataBuffer())()            Creates a DataBuffer that corresponds to this MultiPixelPackedSampleModel. |
| [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | **BandedSampleModel.**[**createDataBuffer**](http://docs.google.com/java/awt/image/BandedSampleModel.html#createDataBuffer())()            Creates a DataBuffer that corresponds to this BandedSampleModel, The DataBuffer's data type, number of banks, and size will be consistent with this BandedSampleModel. |
| [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | **ComponentSampleModel.**[**createDataBuffer**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#createDataBuffer())()            Creates a DataBuffer that corresponds to this ComponentSampleModel. |
| [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | **SinglePixelPackedSampleModel.**[**createDataBuffer**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#createDataBuffer())()            Creates a DataBuffer that corresponds to this SinglePixelPackedSampleModel. |
| abstract  [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | **SampleModel.**[**createDataBuffer**](http://docs.google.com/java/awt/image/SampleModel.html#createDataBuffer())()            Creates a DataBuffer that corresponds to this SampleModel. |
| [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | **Raster.**[**getDataBuffer**](http://docs.google.com/java/awt/image/Raster.html#getDataBuffer())()            Returns the DataBuffer associated with this Raster. |

| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) with parameters of type [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | |
| --- | --- |
| static [WritableRaster](http://docs.google.com/java/awt/image/WritableRaster.html) | **Raster.**[**createBandedRaster**](http://docs.google.com/java/awt/image/Raster.html#createBandedRaster(java.awt.image.DataBuffer,%20int,%20int,%20int,%20int%5B%5D,%20int%5B%5D,%20java.awt.Point))([DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, int w, int h, int scanlineStride, int[] bankIndices, int[] bandOffsets, [Point](http://docs.google.com/java/awt/Point.html) location)            Creates a Raster based on a BandedSampleModel with the specified DataBuffer, width, height, scanline stride, bank indices, and band offsets. |
| static [WritableRaster](http://docs.google.com/java/awt/image/WritableRaster.html) | **Raster.**[**createInterleavedRaster**](http://docs.google.com/java/awt/image/Raster.html#createInterleavedRaster(java.awt.image.DataBuffer,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.Point))([DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, int w, int h, int scanlineStride, int pixelStride, int[] bandOffsets, [Point](http://docs.google.com/java/awt/Point.html) location)            Creates a Raster based on a PixelInterleavedSampleModel with the specified DataBuffer, width, height, scanline stride, pixel stride, and band offsets. |
| static [WritableRaster](http://docs.google.com/java/awt/image/WritableRaster.html) | **Raster.**[**createPackedRaster**](http://docs.google.com/java/awt/image/Raster.html#createPackedRaster(java.awt.image.DataBuffer,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.Point))([DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, int w, int h, int scanlineStride, int[] bandMasks, [Point](http://docs.google.com/java/awt/Point.html) location)            Creates a Raster based on a SinglePixelPackedSampleModel with the specified DataBuffer, width, height, scanline stride, and band masks. |
| static [WritableRaster](http://docs.google.com/java/awt/image/WritableRaster.html) | **Raster.**[**createPackedRaster**](http://docs.google.com/java/awt/image/Raster.html#createPackedRaster(java.awt.image.DataBuffer,%20int,%20int,%20int,%20java.awt.Point))([DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, int w, int h, int bitsPerPixel, [Point](http://docs.google.com/java/awt/Point.html) location)            Creates a Raster based on a MultiPixelPackedSampleModel with the specified DataBuffer, width, height, and bits per pixel. |
| static [Raster](http://docs.google.com/java/awt/image/Raster.html) | **Raster.**[**createRaster**](http://docs.google.com/java/awt/image/Raster.html#createRaster(java.awt.image.SampleModel,%20java.awt.image.DataBuffer,%20java.awt.Point))([SampleModel](http://docs.google.com/java/awt/image/SampleModel.html) sm, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) db, [Point](http://docs.google.com/java/awt/Point.html) location)            Creates a Raster with the specified SampleModel and DataBuffer. |
| static [WritableRaster](http://docs.google.com/java/awt/image/WritableRaster.html) | **Raster.**[**createWritableRaster**](http://docs.google.com/java/awt/image/Raster.html#createWritableRaster(java.awt.image.SampleModel,%20java.awt.image.DataBuffer,%20java.awt.Point))([SampleModel](http://docs.google.com/java/awt/image/SampleModel.html) sm, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) db, [Point](http://docs.google.com/java/awt/Point.html) location)            Creates a WritableRaster with the specified SampleModel and DataBuffer. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SampleModel.**[**getDataElements**](http://docs.google.com/java/awt/image/SampleModel.html#getDataElements(int,%20int,%20int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the pixel data for the specified rectangle of pixels in a primitive array of type TransferType. |
| [Object](http://docs.google.com/java/lang/Object.html) | **MultiPixelPackedSampleModel.**[**getDataElements**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html#getDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns data for a single pixel in a primitive array of type TransferType. |
| [Object](http://docs.google.com/java/lang/Object.html) | **BandedSampleModel.**[**getDataElements**](http://docs.google.com/java/awt/image/BandedSampleModel.html#getDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns data for a single pixel in a primitive array of type TransferType. |
| [Object](http://docs.google.com/java/lang/Object.html) | **ComponentSampleModel.**[**getDataElements**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#getDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns data for a single pixel in a primitive array of type TransferType. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SinglePixelPackedSampleModel.**[**getDataElements**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#getDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns data for a single pixel in a primitive array of type TransferType. |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | **SampleModel.**[**getDataElements**](http://docs.google.com/java/awt/image/SampleModel.html#getDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns data for a single pixel in a primitive array of type TransferType. |
| double[] | **SampleModel.**[**getPixel**](http://docs.google.com/java/awt/image/SampleModel.html#getPixel(int,%20int,%20double%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, double[] dArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples for the specified pixel in an array of double. |
| float[] | **SampleModel.**[**getPixel**](http://docs.google.com/java/awt/image/SampleModel.html#getPixel(int,%20int,%20float%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, float[] fArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples for the specified pixel in an array of float. |
| int[] | **MultiPixelPackedSampleModel.**[**getPixel**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html#getPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the specified single band pixel in the first element of an int array. |
| int[] | **BandedSampleModel.**[**getPixel**](http://docs.google.com/java/awt/image/BandedSampleModel.html#getPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for the specified pixel in an int array. |
| int[] | **ComponentSampleModel.**[**getPixel**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#getPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for the specified pixel in an int array, one sample per array element. |
| int[] | **SinglePixelPackedSampleModel.**[**getPixel**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#getPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples in for the specified pixel in an int array. |
| int[] | **SampleModel.**[**getPixel**](http://docs.google.com/java/awt/image/SampleModel.html#getPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples for a specified pixel in an int array, one sample per array element. |
| double[] | **SampleModel.**[**getPixels**](http://docs.google.com/java/awt/image/SampleModel.html#getPixels(int,%20int,%20int,%20int,%20double%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, double[] dArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for a rectangle of pixels in a double array, one sample per array element. |
| float[] | **SampleModel.**[**getPixels**](http://docs.google.com/java/awt/image/SampleModel.html#getPixels(int,%20int,%20int,%20int,%20float%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, float[] fArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for a rectangle of pixels in a float array, one sample per array element. |
| int[] | **BandedSampleModel.**[**getPixels**](http://docs.google.com/java/awt/image/BandedSampleModel.html#getPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for the specified rectangle of pixels in an int array, one sample per data array element. |
| int[] | **ComponentSampleModel.**[**getPixels**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#getPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for the specified rectangle of pixels in an int array, one sample per array element. |
| int[] | **SinglePixelPackedSampleModel.**[**getPixels**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#getPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for the specified rectangle of pixels in an int array, one sample per array element. |
| int[] | **SampleModel.**[**getPixels**](http://docs.google.com/java/awt/image/SampleModel.html#getPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns all samples for a rectangle of pixels in an int array, one sample per array element. |
| int | **MultiPixelPackedSampleModel.**[**getSample**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html#getSample(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns as int the sample in a specified band for the pixel located at (x, y). |
| int | **BandedSampleModel.**[**getSample**](http://docs.google.com/java/awt/image/BandedSampleModel.html#getSample(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns as int the sample in a specified band for the pixel located at (x,y). |
| int | **ComponentSampleModel.**[**getSample**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#getSample(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns as int the sample in a specified band for the pixel located at (x,y). |
| int | **SinglePixelPackedSampleModel.**[**getSample**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#getSample(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns as int the sample in a specified band for the pixel located at (x,y). |
| abstract  int | **SampleModel.**[**getSample**](http://docs.google.com/java/awt/image/SampleModel.html#getSample(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the sample in a specified band for the pixel located at (x,y) as an int. |
| double | **BandedSampleModel.**[**getSampleDouble**](http://docs.google.com/java/awt/image/BandedSampleModel.html#getSampleDouble(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the sample in a specified band for a pixel located at (x,y) as a double. |
| double | **ComponentSampleModel.**[**getSampleDouble**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#getSampleDouble(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the sample in a specified band for a pixel located at (x,y) as a double. |
| double | **SampleModel.**[**getSampleDouble**](http://docs.google.com/java/awt/image/SampleModel.html#getSampleDouble(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the sample in a specified band for a pixel located at (x,y) as a double. |
| float | **BandedSampleModel.**[**getSampleFloat**](http://docs.google.com/java/awt/image/BandedSampleModel.html#getSampleFloat(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the sample in a specified band for the pixel located at (x,y) as a float. |
| float | **ComponentSampleModel.**[**getSampleFloat**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#getSampleFloat(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the sample in a specified band for the pixel located at (x,y) as a float. |
| float | **SampleModel.**[**getSampleFloat**](http://docs.google.com/java/awt/image/SampleModel.html#getSampleFloat(int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the sample in a specified band for the pixel located at (x,y) as a float. |
| double[] | **SampleModel.**[**getSamples**](http://docs.google.com/java/awt/image/SampleModel.html#getSamples(int,%20int,%20int,%20int,%20int,%20double%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, double[] dArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples for a specified band for a specified rectangle of pixels in a double array, one sample per array element. |
| float[] | **SampleModel.**[**getSamples**](http://docs.google.com/java/awt/image/SampleModel.html#getSamples(int,%20int,%20int,%20int,%20int,%20float%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, float[] fArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples for a specified band for the specified rectangle of pixels in a float array, one sample per array element. |
| int[] | **BandedSampleModel.**[**getSamples**](http://docs.google.com/java/awt/image/BandedSampleModel.html#getSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples in a specified band for the specified rectangle of pixels in an int array, one sample per data array element. |
| int[] | **ComponentSampleModel.**[**getSamples**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#getSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples in a specified band for the specified rectangle of pixels in an int array, one sample per data array element. |
| int[] | **SinglePixelPackedSampleModel.**[**getSamples**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#getSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples for a specified band for the specified rectangle of pixels in an int array, one sample per array element. |
| int[] | **SampleModel.**[**getSamples**](http://docs.google.com/java/awt/image/SampleModel.html#getSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Returns the samples for a specified band for the specified rectangle of pixels in an int array, one sample per array element. |
| void | **SampleModel.**[**setDataElements**](http://docs.google.com/java/awt/image/SampleModel.html#setDataElements(int,%20int,%20int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the data for a rectangle of pixels in the specified DataBuffer from a primitive array of type TransferType. |
| void | **MultiPixelPackedSampleModel.**[**setDataElements**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html#setDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the data for a single pixel in the specified DataBuffer from a primitive array of type TransferType. |
| void | **BandedSampleModel.**[**setDataElements**](http://docs.google.com/java/awt/image/BandedSampleModel.html#setDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the data for a single pixel in the specified DataBuffer from a primitive array of type TransferType. |
| void | **ComponentSampleModel.**[**setDataElements**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#setDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the data for a single pixel in the specified DataBuffer from a primitive array of type TransferType. |
| void | **SinglePixelPackedSampleModel.**[**setDataElements**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#setDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the data for a single pixel in the specified DataBuffer from a primitive array of type TransferType. |
| abstract  void | **SampleModel.**[**setDataElements**](http://docs.google.com/java/awt/image/SampleModel.html#setDataElements(int,%20int,%20java.lang.Object,%20java.awt.image.DataBuffer))(int x, int y, [Object](http://docs.google.com/java/lang/Object.html) obj, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the data for a single pixel in the specified DataBuffer from a primitive array of type TransferType. |
| void | **SampleModel.**[**setPixel**](http://docs.google.com/java/awt/image/SampleModel.html#setPixel(int,%20int,%20double%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, double[] dArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a pixel in the DataBuffer using a double array of samples for input. |
| void | **SampleModel.**[**setPixel**](http://docs.google.com/java/awt/image/SampleModel.html#setPixel(int,%20int,%20float%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, float[] fArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a pixel in the DataBuffer using a float array of samples for input. |
| void | **MultiPixelPackedSampleModel.**[**setPixel**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html#setPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a pixel in the DataBuffer using an int array for input. |
| void | **BandedSampleModel.**[**setPixel**](http://docs.google.com/java/awt/image/BandedSampleModel.html#setPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a pixel in the DataBuffer using an int array of samples for input. |
| void | **ComponentSampleModel.**[**setPixel**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#setPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a pixel in the DataBuffer using an int array of samples for input. |
| void | **SinglePixelPackedSampleModel.**[**setPixel**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#setPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a pixel in the DataBuffer using an int array of samples for input. |
| void | **SampleModel.**[**setPixel**](http://docs.google.com/java/awt/image/SampleModel.html#setPixel(int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a pixel in the DataBuffer using an int array of samples for input. |
| void | **SampleModel.**[**setPixels**](http://docs.google.com/java/awt/image/SampleModel.html#setPixels(int,%20int,%20int,%20int,%20double%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, double[] dArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets all samples for a rectangle of pixels from a double array containing one sample per array element. |
| void | **SampleModel.**[**setPixels**](http://docs.google.com/java/awt/image/SampleModel.html#setPixels(int,%20int,%20int,%20int,%20float%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, float[] fArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets all samples for a rectangle of pixels from a float array containing one sample per array element. |
| void | **BandedSampleModel.**[**setPixels**](http://docs.google.com/java/awt/image/BandedSampleModel.html#setPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets all samples for a rectangle of pixels from an int array containing one sample per array element. |
| void | **ComponentSampleModel.**[**setPixels**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#setPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets all samples for a rectangle of pixels from an int array containing one sample per array element. |
| void | **SinglePixelPackedSampleModel.**[**setPixels**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#setPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets all samples for a rectangle of pixels from an int array containing one sample per array element. |
| void | **SampleModel.**[**setPixels**](http://docs.google.com/java/awt/image/SampleModel.html#setPixels(int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets all samples for a rectangle of pixels from an int array containing one sample per array element. |
| void | **BandedSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/BandedSampleModel.html#setSample(int,%20int,%20int,%20double,%20java.awt.image.DataBuffer))(int x, int y, int b, double s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using a double for input. |
| void | **ComponentSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#setSample(int,%20int,%20int,%20double,%20java.awt.image.DataBuffer))(int x, int y, int b, double s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using a double for input. |
| void | **SampleModel.**[**setSample**](http://docs.google.com/java/awt/image/SampleModel.html#setSample(int,%20int,%20int,%20double,%20java.awt.image.DataBuffer))(int x, int y, int b, double s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using a double for input. |
| void | **BandedSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/BandedSampleModel.html#setSample(int,%20int,%20int,%20float,%20java.awt.image.DataBuffer))(int x, int y, int b, float s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using a float for input. |
| void | **ComponentSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#setSample(int,%20int,%20int,%20float,%20java.awt.image.DataBuffer))(int x, int y, int b, float s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using a float for input. |
| void | **SampleModel.**[**setSample**](http://docs.google.com/java/awt/image/SampleModel.html#setSample(int,%20int,%20int,%20float,%20java.awt.image.DataBuffer))(int x, int y, int b, float s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using a float for input. |
| void | **MultiPixelPackedSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/MultiPixelPackedSampleModel.html#setSample(int,%20int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, int s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x, y) in the DataBuffer using an int for input. |
| void | **BandedSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/BandedSampleModel.html#setSample(int,%20int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, int s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using an int for input. |
| void | **ComponentSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#setSample(int,%20int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, int s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using an int for input. |
| void | **SinglePixelPackedSampleModel.**[**setSample**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#setSample(int,%20int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, int s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using an int for input. |
| abstract  void | **SampleModel.**[**setSample**](http://docs.google.com/java/awt/image/SampleModel.html#setSample(int,%20int,%20int,%20int,%20java.awt.image.DataBuffer))(int x, int y, int b, int s, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets a sample in the specified band for the pixel located at (x,y) in the DataBuffer using an int for input. |
| void | **SampleModel.**[**setSamples**](http://docs.google.com/java/awt/image/SampleModel.html#setSamples(int,%20int,%20int,%20int,%20int,%20double%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, double[] dArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the samples in the specified band for the specified rectangle of pixels from a double array containing one sample per array element. |
| void | **SampleModel.**[**setSamples**](http://docs.google.com/java/awt/image/SampleModel.html#setSamples(int,%20int,%20int,%20int,%20int,%20float%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, float[] fArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the samples in the specified band for the specified rectangle of pixels from a float array containing one sample per array element. |
| void | **BandedSampleModel.**[**setSamples**](http://docs.google.com/java/awt/image/BandedSampleModel.html#setSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the samples in the specified band for the specified rectangle of pixels from an int array containing one sample per data array element. |
| void | **ComponentSampleModel.**[**setSamples**](http://docs.google.com/java/awt/image/ComponentSampleModel.html#setSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the samples in the specified band for the specified rectangle of pixels from an int array containing one sample per data array element. |
| void | **SinglePixelPackedSampleModel.**[**setSamples**](http://docs.google.com/java/awt/image/SinglePixelPackedSampleModel.html#setSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the samples in the specified band for the specified rectangle of pixels from an int array containing one sample per array element. |
| void | **SampleModel.**[**setSamples**](http://docs.google.com/java/awt/image/SampleModel.html#setSamples(int,%20int,%20int,%20int,%20int,%20int%5B%5D,%20java.awt.image.DataBuffer))(int x, int y, int w, int h, int b, int[] iArray, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) data)            Sets the samples in the specified band for the specified rectangle of pixels from an int array containing one sample per array element. |

| Constructors in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) with parameters of type [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) | |
| --- | --- |
| [**Raster**](http://docs.google.com/java/awt/image/Raster.html#Raster(java.awt.image.SampleModel,%20java.awt.image.DataBuffer,%20java.awt.Point))([SampleModel](http://docs.google.com/java/awt/image/SampleModel.html) sampleModel, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, [Point](http://docs.google.com/java/awt/Point.html) origin)            Constructs a Raster with the given SampleModel and DataBuffer. |
| [**Raster**](http://docs.google.com/java/awt/image/Raster.html#Raster(java.awt.image.SampleModel,%20java.awt.image.DataBuffer,%20java.awt.Rectangle,%20java.awt.Point,%20java.awt.image.Raster))([SampleModel](http://docs.google.com/java/awt/image/SampleModel.html) sampleModel, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) aRegion, [Point](http://docs.google.com/java/awt/Point.html) sampleModelTranslate, [Raster](http://docs.google.com/java/awt/image/Raster.html) parent)            Constructs a Raster with the given SampleModel, DataBuffer, and parent. |
| [**WritableRaster**](http://docs.google.com/java/awt/image/WritableRaster.html#WritableRaster(java.awt.image.SampleModel,%20java.awt.image.DataBuffer,%20java.awt.Point))([SampleModel](http://docs.google.com/java/awt/image/SampleModel.html) sampleModel, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, [Point](http://docs.google.com/java/awt/Point.html) origin)            Constructs a WritableRaster with the given SampleModel and DataBuffer. |
| [**WritableRaster**](http://docs.google.com/java/awt/image/WritableRaster.html#WritableRaster(java.awt.image.SampleModel,%20java.awt.image.DataBuffer,%20java.awt.Rectangle,%20java.awt.Point,%20java.awt.image.WritableRaster))([SampleModel](http://docs.google.com/java/awt/image/SampleModel.html) sampleModel, [DataBuffer](http://docs.google.com/java/awt/image/DataBuffer.html) dataBuffer, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) aRegion, [Point](http://docs.google.com/java/awt/Point.html) sampleModelTranslate, [WritableRaster](http://docs.google.com/java/awt/image/WritableRaster.html) parent)            Constructs a WritableRaster with the given SampleModel, DataBuffer, and parent. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/image/DataBuffer.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/image//class-useDataBuffer.html)    [**NO FRAMES**](http://docs.google.com/DataBuffer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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