

com.\_604robotics.robot2012.vision

Class **Img**

java.lang.Object  
com.\_604robotics.robot2012.vision.Img

public class **Img**  
extends java.lang.Object

A simple class for accessing 2d data in a 1d array, with bounds checking.

Constructor Summary

Constructors

Constructor and Description
<b>Img</b> (int[] dat, int w, int h) A constructor to make an Img
<b>Img</b> (int w, int h) A constructor to make an Img
<b>Img</b> (java.awt.image.Raster raster) A constructor to make an Img
<b>Img</b> (java.awt.image.Raster raster, int[] buff) A constructor to make an Img

Method Summary

Methods

Modifier and Type	Method and Description
int	<b>get</b> (int x, int y)
boolean	<b>set</b> (int x, int y, int k)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

**Img**

```
public Img(int[] dat,
           int w,
           int h)
```

A constructor to make an Img

**Parameters:**

- dat - data array
- w - width
- h - height

**Img**

```
public Img(java.awt.image.Raster raster,
           int[] buff)
```

A constructor to make an Img

**Parameters:**

- raster - a raster storing original image data

buff - an array to store the image data into

## Img

```
public Img(java.awt.image.Raster raster)
```

A constructor to make an Img

### Parameters:

raster - a raster storing original image data

## Img

```
public Img(int w,  
           int h)
```

A constructor to make an Img

### Parameters:

w -

h -

## Method Detail

### get

```
public int get(int x,  
              int y)
```

### Parameters:

x - the X coordinate

y - the Y coordinate

### Returns:

an integer holding an RGB value

### set

```
public boolean set(int x,  
                  int y,  
                  int k)
```

### Parameters:

x - the X coordinate

y - the Y coordinate

k - an integer holding an RGB value

### Returns:

a boolean if the value was set or not

[Overview](#) [Package](#) **[Class](#)** [Use](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[Prev Class](#) [Next Class](#) [Frames](#) [No Frames](#) [All Classes](#)

Summary: [Nested](#) | [Field](#) | [Constr](#) | [Method](#) [Detail: Field](#) | [Constr](#) | [Method](#)