

# Package ‘bmp’

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**License** GPL (>= 2)

**Title** Read Windows Bitmap (BMP) Images

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**Description** Reads Windows BMP format images. Currently limited to 8 bit greyscale images and 24,32 bit (A)RGB images. Pure R implementation without external dependencies.

**Version** 0.3

**Suggests** pixmap, testthat

**Collate** 'read-bmp.R'

**RoxygenNote** 6.0.1

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

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ConvertIntToUInt      *Fix a 32 bit unsigned integer that has been read as signed*

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## Description

This is really just to fix a limitation of readBin/R's 32 bit signed ints

**Usage**

```
ConvertIntToUInt(x, adjustment = 2^32)
```

**Arguments**

x	Number to be fixed
adjustment	number to be added to convert to uint32 (2^32 by default)

**Value**

numeric value of uint32

**Author(s)**

jefferis

**See Also**

[readBin](#)

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is.bmp

*Returns TRUE if file is a Windows BMP image*

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**Description**

NB this just checks the magic 'BM' in the first two bytes of the file

**Usage**

```
is.bmp(source)
```

**Arguments**

source	file or connection
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**Value**

TRUE or FALSE

**Author(s)**

jefferis

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read.bmp	<i>Open windows BMP format image files</i>
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**Description**

Limited to 8 bit greyscale images and 24 bit RGB images.

**Usage**

```
read.bmp(f, Verbose = FALSE)
```

**Arguments**

f	File to open
Verbose	Give verbose warnings (default FALSE)

**Value**

array of dims height x width x channels

**Author(s)**

jefferis

**Examples**

```
## Not run:  
library(pixmap)  
r=read.bmp('myrgbimage.bmp')  
pr=pixmapRGB(r)  
r=read.bmp('mygreyimage.bmp')  
pr=pixmapGrey(r)  
plot(pr)  
  
## End(Not run)
```

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