

# 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** 0.2

**Date** 2013-08-07

**Suggests** pixmap, testthat

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

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

|                            |   |
|----------------------------|---|
| ConvertIntToUInt . . . . . | 1 |
| is.bmp . . . . .           | 2 |
| read.bmp . . . . .         | 3 |

|              |          |
|--------------|----------|
| <b>Index</b> | <b>4</b> |
|--------------|----------|

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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 |
|--------|--------------------|

**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)
```

# Index

`ConvertIntToUInt`, 1

`is.bmp`, 2

`read.bmp`, 3

`readBin`, 2