# TIFFReadEncodedStrip

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## NAME

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|  | TIFFReadEncodedStrip − read and decode a strip of data from an open TIFF file |

## SYNOPSIS

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|  | **#include <tiffio.h>**  **tsize\_t TIFFReadEncodedStrip(TIFF \****tif***, tstrip\_t** *strip***, tdata\_t** *buf***, tsize\_t** *size***)** |

## DESCRIPTION

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|  | Read the specified strip of data and place up to *size* bytes of decompressed information in the (user supplied) data buffer. |

## NOTES

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|  | The value of *strip* is a ‘‘raw strip number.’’ That is, the caller must take into account whether or not the data are organized in separate planes (*PlanarConfiguration*=2). To read a full strip of data the data buffer should typically be at least as large as the number returned by **TIFFStripSize**(3TIFF). If the -1 passed in *size* parameter, the whole strip will be read. You should be sure you have enough space allocated for the buffer.  The library attempts to hide bit- and byte-ordering differences between the image and the native machine by converting data to the native machine order. Bit reversal is done if the *FillOrder* tag is opposite to the native machine bit order. 16- and 32-bit samples are automatically byte-swapped if the file was written with a byte order opposite to the native machine byte order, |

## RETURN VALUES

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|  | The actual number of bytes of data that were placed in *buf* is returned; *TIFFReadEncodedStrip* returns −1 if an error was encountered. |

## DIAGNOSTICS

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|  | All error messages are directed to the **TIFFError**(3TIFF) routine. |

## SEE ALSO

|  |  |
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|  | **TIFFOpen**(3TIFF), **TIFFReadRawStrip**(3TIFF), **TIFFReadScanline**(3TIFF), **libtiff**(3TIFF)  Libtiff library home page: **http://www.simplesystems.org/libtiff/** |