# TIFFWriteEncodedStrip

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## NAME

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|  | TIFFWritedEncodedStrip − compress and write a strip of data to an open TIFF file |

## SYNOPSIS

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

## DESCRIPTION

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|  | Compress *size* bytes of raw data from *buf* and write the result to the specified strip; replacing any previously written data. Note that 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). |

## NOTES

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|  | The library writes encoded data using the native machine byte order. Correctly implemented TIFF readers are expected to do any necessary byte-swapping to correctly process image data with BitsPerSample greater than 8.  The strip number must be valid according to the current settings of the *ImageLength* and *RowsPerStrip* tags. An image may be dynamically grown by increasing the value of *ImageLength* prior to each call to *TIFFWriteEncodedStrip*. |

## RETURN VALUES

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|  | −1 is returned if an error was encountered. Otherwise, the value of *size* is returned. |

## DIAGNOSTICS

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|  | All error messages are directed to the *TIFFError*(3TIFF) routine.  **%s: File not open for writing**. The file was opened for reading, not writing.  **Can not write scanlines to a tiled image**. The image is assumed to be organized in tiles because the *TileWidth* and *TileLength* tags have been set with *TIFFSetField*(3TIFF).  **%s: Must set "ImageWidth" before writing data**. The image’s width has not be set before the first write. See *TIFFSetField*(3TIFF) for information on how to do this.  **%s: Must set "PlanarConfiguration" before writing data**. The organization of data has not be defined before the first write. See *TIFFSetField*(3TIFF) for information on how to do this.  **%s: No space for strip arrays"**. There was not enough space for the arrays that hold strip offsets and byte counts. |

## SEE ALSO

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