

NAME

TIFFWritedEncodedTile – compress and write a tile of data to an open TIFF file

SYNOPSIS

```
#include <tiffio.h>
```

```
tsize_t TIFFWriteEncodedTile(TIFF *tif, ttile_t tile, tdata_t buf, tsize_t size)
```

DESCRIPTION

Compress *size* bytes of raw data from *buf* and **append** the result to the end of the specified tile. Note that the value of *tile* is a “raw tile number.” That is, the caller must take into account whether or not the data are organized in separate places (*PlanarConfiguration*=2). *TIFFComputeTile* automatically does this when converting an (x,y,z,sample) coordinate quadruple to a tile number.

NOTES

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.

RETURN VALUES

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

DIAGNOSTICS

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 tiles to a stripped image. The image is assumed to be organized in strips because neither of the *TileWidth* or *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 tile arrays". There was not enough space for the arrays that hold tile offsets and byte counts.

SEE ALSO

TIFFOpen(3TIFF), **TIFFWriteTile**(3TIFF), **TIFFWriteRawTile**(3TIFF), **libtiff**(3TIFF)

Libtiff library home page: <http://www.simplesystems.org/libtiff/>