

**NAME**

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

**SYNOPSIS**

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

```
tsize_t TIFFWriteEncodedStrip(TIFF *tif, tstrip_t strip, tdata_t buf, tsize_t size)
```

**DESCRIPTION**

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**

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**

–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 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/>