NAME

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

SYNOPSIS

#include <tiffio.h>

tmsize_t TIFFReadEncodedStrip(TIFF **tif*, uint32_t *strip*, void **buf*, tmsize_t *size*)

DESCRIPTION

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

NOTES

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

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

DIAGNOSTICS

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

SEE ALSO

TIFFOpen(3TIFF), **TIFFReadRawStrip**(3TIFF), **TIFFReadScanline**(3TIFF), **libtiff**(3TIFF)

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