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()*. If -1 is passed in the *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 *TIFFErrorExtR()* routine.

SEE ALSO

TIFFOpen (3tiff), *TIFFReadRawStrip* (3tiff), *TIFFReadScanline* (3tiff), *TIFFReadEncodedTile* (3tiff), *libtiff* (3tiff)

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