NAME

TIFFDefaultStripSize, TIFFStripSize, TIFFVStripSize, TIFFRawStripSize, TIFFComputeStrip, TIFFNumberOfStrips – strip-related utility routines

SYNOPSIS

#include <tiffio.h>

uint32 TIFFDefaultStripSize(TIFF ****tif*, uint32** *estimate***)**
tsize_t TIFFStripSize(TIFF ****tif*)**
tsize_t TIFFVStripSize(TIFF ****tif*, uint32** *nrows***)**
tsize_t TIFFRawStripSize(TIFF ****tif*, tstrip_t** *strip***)**
tstrip_t TIFFComputeStrip(TIFF ****tif*, uint32** *row***, tsample_t** *sample***)**
tstrip_t TIFFNumberOfStrips(TIFF ****tif*)**

DESCRIPTION

TIFFDefaultStripSize returns the number of rows for a reasonable-sized strip according to the current settings of the *ImageWidth*, *BitsPerSample*, *SamplesPerPixel*, tags and any compression-specific requirements. If the *estimate* parameter, if non-zero, then it is taken as an estimate of the desired strip size and adjusted according to any compression-specific requirements. The value returned by this function is typically used to define the *RowsPerStrip* tag. In lieu of any unusual requirements *TIFFDefaultStripSize* tries to create strips that have approximately 8 kilobytes of uncompressed data.

TIFFStripSize returns the equivalent size for a strip of data as it would be returned in a call to *TIFFReadEncodedStrip* or as it would be expected in a call to *TIFFWriteEncodedStrip*.

TIFFVStripSize returns the number of bytes in a strip with *nrows* rows of data.

TIFFRawStripSize returns the number of bytes in a raw strip (i.e. not decoded).

TIFFComputeStrip returns the strip that contains the specified coordinates. A valid strip is always returned; out-of-range coordinate values are clamped to the bounds of the image. The *row* parameter is always used in calculating a strip. The *sample* parameter is used only if data are organized in separate planes (*PlanarConfiguration*=2).

TIFFNumberOfStrips returns the number of strips in the image.

DIAGNOSTICS

None.

SEE ALSO

TIFFReadEncodedStrip(3TIFF), **TIFFReadRawStrip**(3TIFF), **TIFFWriteEncodedStrip**(3TIFF), **TIFFWriteRawStrip**(3TIFF), **libtiff**(3TIFF),

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