

NAME

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

SYNOPSIS

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

```
uint32_t TIFFDefaultStripSize(TIFF *tif, uint32_t estimate)
tmsize_t TIFFStripSize(TIFF *tif)
tmsize_t TIFFVStripSize(TIFF *tif, uint32_t nrows)
tmsize_t TIFFRawStripSize(TIFF *tif, uint32_t strip)
tstrip_t TIFFComputeStrip(TIFF *tif, uint32_t 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/>