TWriteImageStrip - write one strip of an image to a TIFF file.

Synopsis

OSErr TWriteImageStrip(refNum, nextFileFree, listHandle,startLine, numLines, bufferPtr, plane)
Int16 refNum;
Int32 *nextFileFree;
Handle listHandle;
Int32 startLine;
Int32 numLines;
Ptr bufferPtr;
Int16 plane;

Description

Given the reference number for the TIFF file, *refNum*, the offset of the end of the TIFF file specified at the address referred to by *nextFileFree*, and the handle to the tag list, *listHandle*, *TWriteImageStrip* writes the image data at the address specified by *bufferPtr* for one strip to the TIFF file. *bufferPtr* is a pointer to the beginning of the data for the strip, not for the entire image. *startLine* specifies the line number of the image that will be the first row of this strip. *numLines* specifies the number of lines to be written and must be less than or equal to the rows per strip specified by the RowsPerStrip tag. If *numLines* is is less than the number of rows per strip, then only *numLines* lines will be written. The following tags must be specified via *TPutPtrTag* or *TPutHdlTag* prior to calling TWriteImageStrip: RowsPerStrip, ImageWidth, ImageLength, and Compression. The two tags, StripOffsets and StripByteCounts, are created and modified by *TWriteImageStrip*. These tags should not be set or modified by calls to *TPutPtrTag* or *TPutHdlTag*.

The value at the address specified by *nextFileFree* is updated to reflect the new offset of the end of the TIFF file.

It only makes sense for *numLines* to be less than the number of rows per strip if it is the last strip of the image being written.

TWriteImageStrip will write compressed images using CCITT Group 3 1-Dimensional Modified Huffman run length encoding. To enable this compression method, set the value of the Compression tag in the tag list in memory to 2 prior to any calls to *TWriteImageStrip* for the given image.

The image data must be packed into the least number of possible bytes per row. For QuickDraw bitmaps with an unused byte at the end of each row, calling *TUnfixOddRowBytes* prior to calling *TWriteImageStrip* will pack the bits into the least number of bytes per row.

The *plane* parameter is unused at the present time.

Return Value

The return value is a Macintosh operating system result code. A nonzero result code (usually negative) signals an error. For a full list of operating system result codes see Appendix A of Inside Macintosh, (Volume III).

See Also

TReadImage, TFixOddRowBytes, TPutTag