

## FAQ: Is there a way I can tell which compression was used in a TIFF file?

The type of compression used in a TIFF is stored in TIFF Tag 259. You can use the `Atalasoft.Imaging.Metadata.TiffTagCollection.GetSingleTag` method to retrieve this value. Here is a code example:

### [C#]

```
short comp = (ushort)TiffDecoder.GetTiffTag(259, filename, FrameIndexHere).Data; switch(comp)
{ case 1: // None break; case 2: // CCITT modified Huffman RLE break; case 3: // CCITT Group
3 fax encoding break; case 4: // CCITT Group 4 fax encoding break; case 5: // Lempel-Ziv &
Welch (LZW) break; case 6: // 6.0 Old Style JPEG break; case 7: // JPEG DCT compression
break; case 32773: // Macintosh RLE break; case 32946: // Deflate break; }
```

### [Visual Basic]

```
im comp As Integer = Convert.ToInt32(TiffDecoder.GetTiffTag(259, FileName,
FrameIndexHere).Data) Select Case comp Case 1 ' None Case 2 ' CCITT modified Huffman RLE Case
3 ' CCITT Group 3 fax encoding Case 4 ' CCITT Group 4 fax encoding Case 5 ' Lempel-Ziv &
Welch (LZW) Case 6 ' 6.0 Old Style JPEG Case 7 ' JPEG DCT compression Case 32773 ' Macintosh
RLE Case 32946 ' Deflate End Select
```

**NOTE:** TIFF is a multipage file format.. it is possible for each page in a single TIFF file to have its own compression. This means a single TIFF may not have all compression the same.. there's not really such a thing as a "CCITT Group 4 Compressed Tiff file" so much as it would be "A TIFF File with all pages compressed using CCITT Group 4 Fax Compression". The difference is subtle but important from a technical perspective.

## Original Article:

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