

BITMAPFILEHEADER				Adr	Hex
bfType		file type; must be BM (42 4D _{hex})	WORD	2	0 00
bfSize		size, in bytes, of the file	DWORD	4	2 02
bfReserved1		must be 0	WORD	2	6 06
bfReserved2		must be 0	WORD	2	8 08
bfOffBits		offset, in bytes , from beginning of structure to bitmap bits	DWORD	4	10 0A
	BITMAPINFOHEADER				
	biSize	number of bytes required by the structure	DWORD	4	14 0E
	biWidth	width of the bitmap, in pixels	LONG	4	18 12
	biHeight	height ¹ of the bitmap, in pixels .	LONG	4	22 16
	biPlanes	must be 1	WORD	2	26 1A
	biBitCount	number of bits-per-pixel	WORD	2	28 1C
	biCompression	type of compression for a compressed bottom-up bitmap ²	DWORD	4	30 1E
	biSizeImage	size, in bytes, of the image (or zone ?) This may be set to zero for BI_RGB bitmaps	DWORD	4	34 22
	biXPelsPerMeter	horizontal resolution, in pixels-per-meter	LONG	4	38 26
	biYPelsPerMeter	vertical resolution, in pixels-per-meter	LONG	4	42 2A
	biClrUsed	If 0 → no color table – see note ³	DWORD	4	46 2E
	biClrImportant		DWORD	4	50 32
		Optional bmiColors[1] RGBQUAD rgbBlue rgbGreen rgbRed rgbReserved or RGBTRIPLE rgbtBlue rgbtGreen rgbtRed	BYTE BYTE BYTE BYTE BYTE BYTE BYTE BYTE	8 8 8 8 8 8 8 8	54 36

¹ : If **biHeight** is positive, the bitmap is a bottom-up DIB and its origin is the lower-left corner. If **biHeight** is negative, the bitmap is a top-down DIB and its origin is the upper-left corner, and **biCompression** must be either BI_RGB or BI_BITFIELDS. Top-down DIBs cannot be compressed.

² : 0 (BI_RGB) : none, 1 (BI_RLE8) : 8-bits per pixel, 2 (BI_RLE4) : 4-bits per pixel, 3 (BI_BITFIELDS) : Bitfields

³ : Bitmaps that are 16-, 24-, or 32-bpp do not require color tables, but may have them to specify colors for palettized devices. If a color table is present for 16-, 24-, or 32-bpp bitmap, the **biClrUsed** member specifies the size of the color table and the color table must have that many colors in it. If **biClrUsed** is zero, there is no color table.

Bitmap Header Types <https://msdn.microsoft.com/en-us/library/windows/desktop/dd183386%28v=vs.85%29.aspx>

Bitmap Storage <https://msdn.microsoft.com/en-us/library/windows/desktop/dd183391%28v=vs.85%29.aspx>

BITMAPINFO <https://msdn.microsoft.com/en-us/library/windows/desktop/dd183375%28v=vs.85%29.aspx>

Bitmap File Header <https://msdn.microsoft.com/en-us/library/windows/desktop/dd183374%28v=vs.85%29.aspx>

Bitmap Info Header <https://msdn.microsoft.com/en-us/library/windows/desktop/dd183376%28v=vs.85%29.aspx>

DIB : <https://msdn.microsoft.com/en-us/library/windows/desktop/dd183562%28v=vs.85%29.aspx>