1. is there max file size? memory/fifo sizes no more than 1k
2. when doing threshold, calculate the value of the average of all colors and use that to value to decide
3. BITMAPINFO - the second part (just after the file header), is actually two structures put together with the name of BITMAPINFO. When you process this structure, you really don't want to process them all together using a single fread(). Instead, process them one at a time (I guess any programmer would know that).
4. when getting no request, should the input outputed without being changed or the machine does nothing about it.
5. <https://m.blog.naver.com/PostView.nhn?blogId=beahey&logNo=220544522247&proxyReferer=https%3A%2F%2Fwww.google.com%2F>
6. Do we assume that the bmp file is legal (i.e the header fits the pixel data, the file isn’t empty…)?
7. About data bus (32/64bit) - how do we transfer the data?

* Fixed size of 24bits with padding (i.e. a single pixel)?
* Fill all the data bus and parse it accordingly (more complex…)?

1. Should valid be up till getting ready or till end of transfer?
2. in brightness mode, what about overflow??