

open memory card file

fopen != NULL

find beginning of JPEG

buffer 512 bytes

sequences of bytes with distinct header

stored side-by-side in blocks of 512 bytes

reading lines fread(data, size, number, inptr);

- data: pointer to a struct that will contain the bytes you're reading
- size: size of each element read
- number: number of elements read
- inptr: FILE * to read from

fread(buffer, 512, 1, raw_file)

beginning of each JPEG indicated with sequence

if (buffer[0] == 0xff && buffer[1] == 0xd8 && buffer[2] == 0xff && (buffer[3] & 0xf0 == 0xe0)

open a new JPEG

naming JPEG's in order they are found, starting at 000 (keep track with counter++)

s printf(filename, "%03i.jpg", 2) -> 002.jpg

FILE *img = fopen(filename, "w")

if jpeg alreadyfound: write 512 bytes until new JPEG

- data: pointer to the struct that contains the bytes you're reading from
- size
- number
- outptr: FILE * to write to

detect end of file:

fread(buffer, 1, 512, raw_file) != 1

open card file

repeat until end of card

 read 512 bytes into a buffer

 start of a new JPEG

 YES ->

 NO ->

 already found a JPEG

 NO ->

 YES ->

close any remaining files

