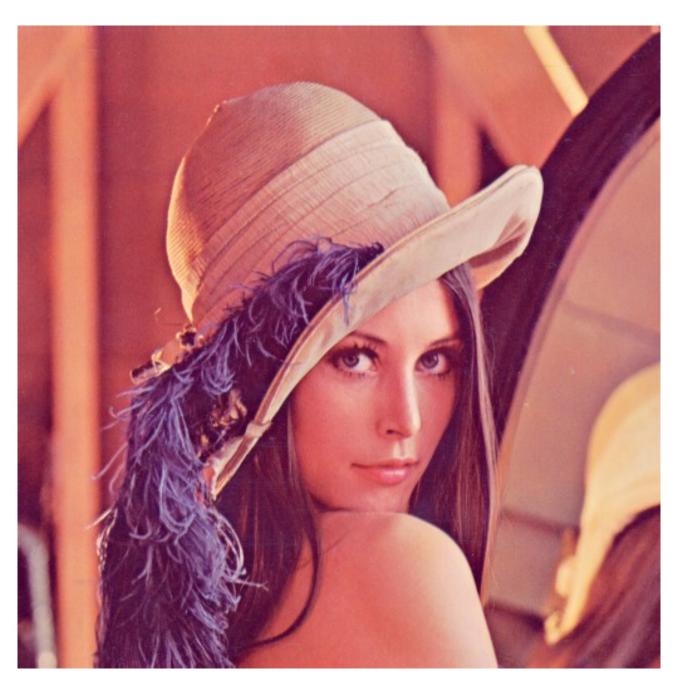
## Testing Latest OPENJPEG Thu Feb 13 2020 02/20/20

```
{Global constants}
const
{Version constants}
                                 = '29 September 2019';
ULTIBO_RELEASE_DATE
ULTIBO RELEASE NAME
                                  = 'Beetroot';
ULTIBO_RELEASE_VERSION
                                   = '2.0.745';
ULTIBO_RELEASE_VERSION_MAJOR = 2;
ULTIBO RELEASE VERSION MINOR = 0;
ULTIBO_RELEASE_VERSION_REVISION = 745;
Ultibo_Projects
commit 7a3d12531cd436b8e203b43d233a35917ef406a7 (HEAD -> master, origin/master,
origin/HEAD)
Author: Edward Vidal Jr <develone@sbcglobal.net>
Date: Thu Oct 3 11:40:52 2019 -0600
  adding missing files needed to compile on a new system
There has been modifications to the following files in the openipeg repo which are not part of
Ultibo_Projects/jpeg2000/src.
-rw-r--r-- 1 devel devel 786554 Feb 18 10:02 lena_rgb_512.bmp
-rw-r--r-- 1 devel devel 6234 Feb 18 09:52 test.j2k
Compression ratio
                  126.1716394 without these new modifications.
#dwt.c & dwt.h
#jp2.c & jp2.h
#mct.c & mct.h
#mgc.c & mgc.h
#openipeg.c & openipeg,h
#pi.c & pi.h
#t1.c & t1.h
#t2.c & t2.h
```

Below is the bitmap image tested on Ultibo.

#thread.c & thread.h



The file test.j2k was decompressed on Raspbian ultibo.bmp.



commit 563ecfb55ca77c0fc5ea19e4885e00f55ec82ca9 (HEAD -> master, upstream/master, origin/master, origin/HEAD)

Author: Even Rouault <even.rouault@spatialys.com>

Date: Thu Feb 13 09:59:17 2020 +0100

opj\_compress: improve help message regarding new IMF switch

devel@mypi3-15:~/openjpeg/build/bin \$ ./opj\_compress -r 125 -i lena\_rgb\_512.bmp -o test2.j2k

Error, invalid green mask value 0 Unable to load bmp file

devel@mypi3-15:~/Ultibo\_Projects/jpeg2000/src \$ ./compile\_ultibo.sh The word count here should be 21 the word count in /home/pi/jpeg-2000-test/bare-metal/openjp when ./libbuild.sh is executed should be 22 21 21 161 libopenjp2\_obj.txt

Used Lazarus IDE (Ultibo Edition) to compile kernel7.img

devel@mypi3-15:~/Ultibo\_Projects/jpeg2000/RPi2 \$ scrot -d 10 -s laz.png

devel@mypi3-15:~/openjpeg/build/bin \$ ./opj\_decompress -i test.j2k -o ultibo.bmp

[INFO] Start to read j2k main header (0).

[INFO] Main header has been correctly decoded.

[INFO] No decoded area parameters, set the decoded area to the whole image

[INFO] Header of tile 1 / 1 has been read.

[INFO] Generated Outfile ultibo.bmp

decode time: 144 msxx

