

\*\*\*\*\*Default\*\*\*\*\*

## JPEG2000 Pico & Pico2 Openjpeg

01/19/25

\*\*\*\*\*Default\*\*\*\*\*

```
git clone https://github.com/develone/Ultibo_Projects.git
```

```
cd ~/Ultibo_Projects/jpeg2000/src
```

```
./compile_ultibo.sh
```

```
cd ../QEMU
```

```
./libbuild.sh
```

Using Lazarus-Ultibo-Edition

```
./startqemu.sh
```

```
git clone https://github.com/develone/openjpeg.git -b ultibo t_ultibo
```

```
cd t_ultibo
```

```
mkdir build
```

```
cd build
```

```
cmake ..
```

```
make
```

```
cd bin
```

```
./opj_compress -i ~/Ultibo_Projects/jpeg2000/QEMU/lena_rgb_256.bmp -r 75 -o test-75.j2k
```

```
./opj_decompress -i test-75.j2k -o test-75.bmp
```

```
./opj_compress -i ~/Ultibo_Projects/jpeg2000/QEMU/lena_rgb_256.bmp -r 150 -o test-150.j2k
```

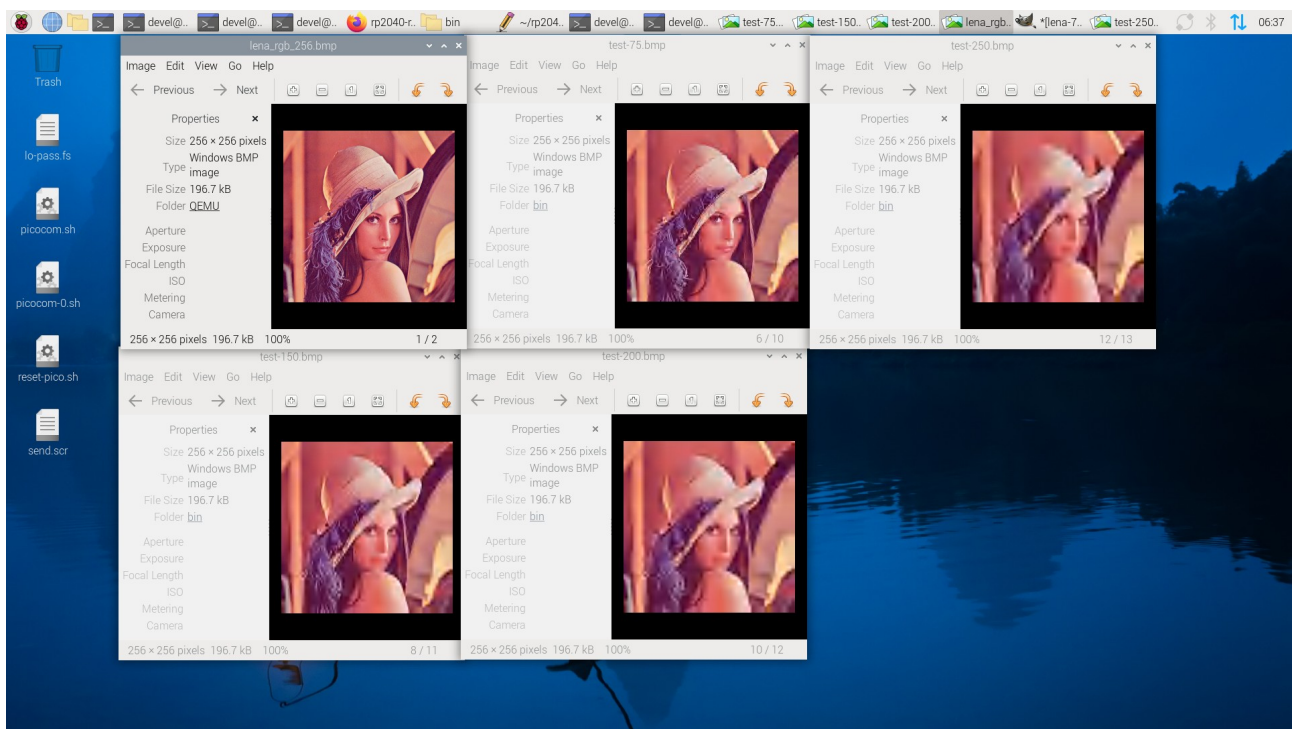
```
./opj_decompress -i test-150.j2k -o test-150.bmp
```

```
./opj_compress -i ~/Ultibo_Projects/jpeg2000/QEMU/lena_rgb_256.bmp -r 200 -o test-200.j2k
```

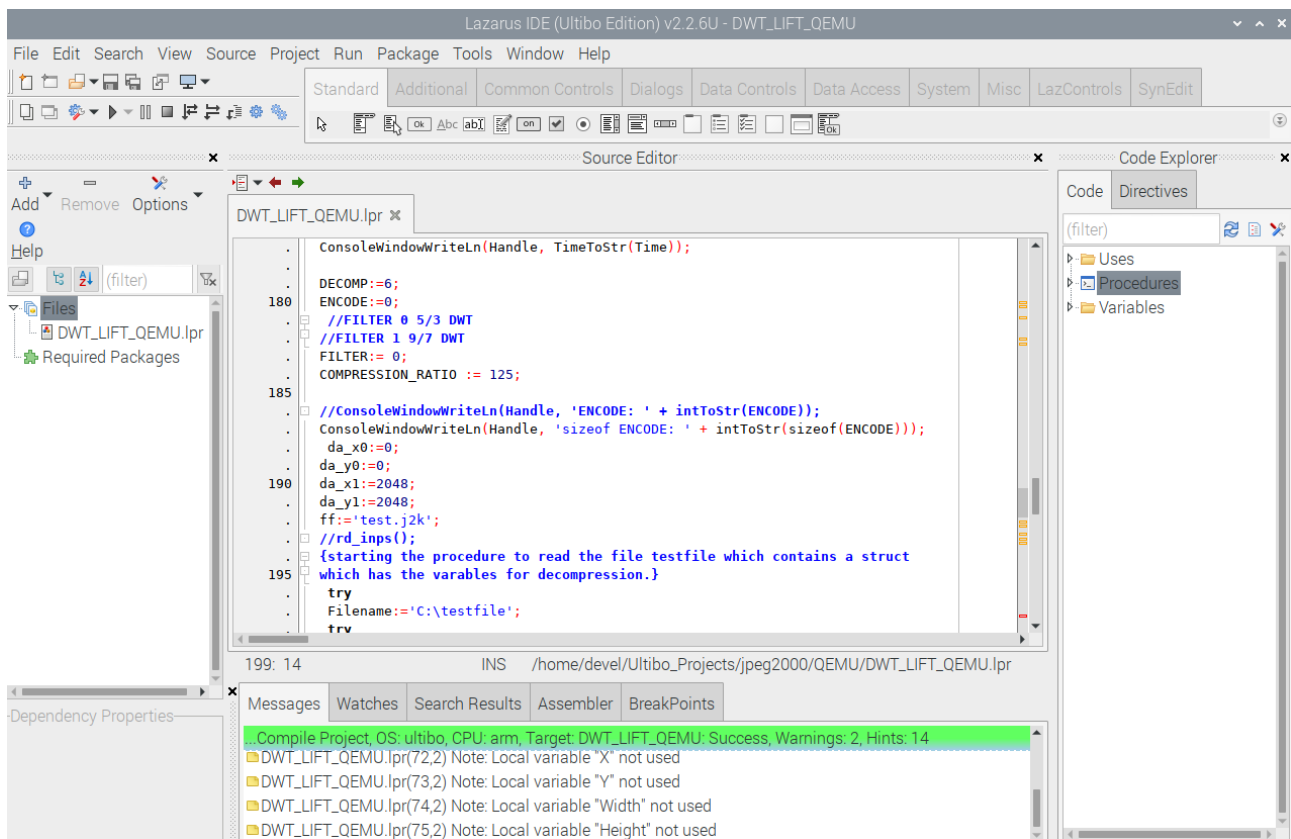
```
./opj_decompress -i test-200.j2k -o test-200.bmp
```

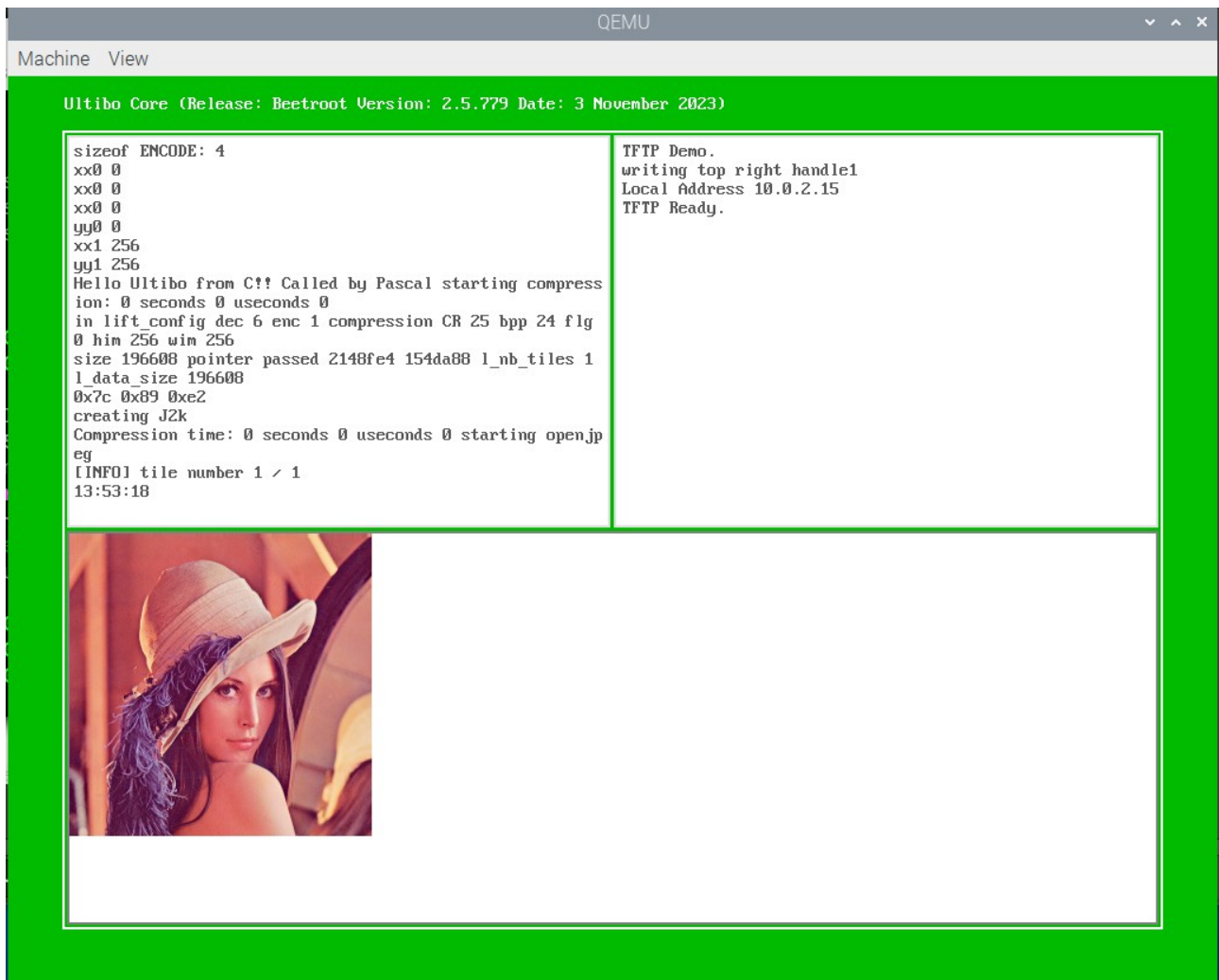
```
./opj_compress -i ~/Ultibo_Projects/jpeg2000/QEMU/lena_rgb_256.bmp -r 250 -o test-250.j2k
```

```
./opj_decompress -i test-250.j2k -o test-250.bmp
```



**Lazarus Ultibo Edition.**





The Bullseye vs Bookworm. Bullseye currently the is working while Bookworm is having issues.

File Edit Tabs Help

filesystem is not mounted

/: mount

7 mount mount filesystem

mounted

/: ls

4224 a64.bin

4224 img1.pgm

0 r.pgm

7936 test.j2k

5 ls list directory

/: j2k test.j2k test.bmp 25 1

4 in\_fname = test.j2k out\_fname = test.bmp CR 25 C/D = 0

In decom\_test called by Pico dtest.j2k 256 536875345 1024 536875561

16 j2k In File Out Frile Compression Ratio Compression 0 Decompression 1

/: j2k test.j2k test.bmp 25 0

4 in\_fname = test.j2k out\_fname = test.bmp CR 25 C/D = 0

In decom\_test called by Pico dtest.j2k 256 536875345 1024 536875561

16 j2k In File Out Frile Compression Ratio Compression 0 Decompression 1

/: get test.j2k