

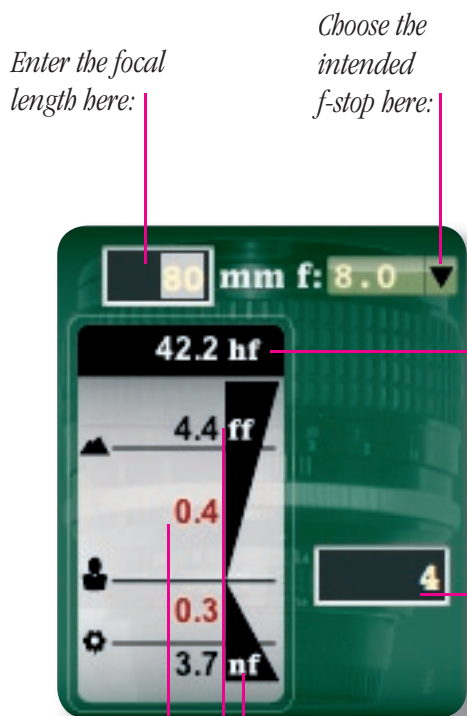


Manual

Welcome to the Depth of Field Widget for MacOS X 10.4
Using this Widget will be less confusing than you digital camera, I hope. Too familiarize yourself with the simple interface of DOFC, please read this page. This will take less time than worrying about the proper settings next time you take pictures.

The Front Panel

Starting DOFC, you see the front panel. This is where all the information gets displayed. Simply enter three values and watch the results to be computed:



Enter the focal length here:

Choose the intended f-stop here:

Once focal length and f-stop have been entered, the hyperfocal distance (hf) will be displayed here

Enter the distance to the subject here

After entering distance, DOFC displays the distance from the cam where sharpness is acceptable (near focus, nf), the distance between near focus and focus, from focus to far focus and the distance between focus and far focus (ff).

The sum of both red numbers is the DoF. As it is more convenient for shooting, it's split into front and back

nf signifies the near focus, the distance from the camera where sharpness is acceptable.

ff is the far focus, the distance after which sharpness will become unacceptable.

This helps you to choose lens, f-stop and distance to achieve your creative needs. If you want to make the subject stand out of a blurred background (so called Bakeh), choose f-stop and distance for about 0.4 meters of DoF. Focusing on the eyes of your subject, the depth of field will keep the head sharp from the tip of the nose to the hair. Anything beyond the DoF will blur -- the more distance you get between Far Focus and the background, the nicer the Bakeh will get.

If you're going for a cristal sharp landscape, set your lens to the hyperfocal distance -- you'll get sharpness from half the distance you set to Infinity. This is also a great setting if you do panoramic images you have to stitch: As focus won't change when you pan, there's no hassle aligning the images later.



Manual

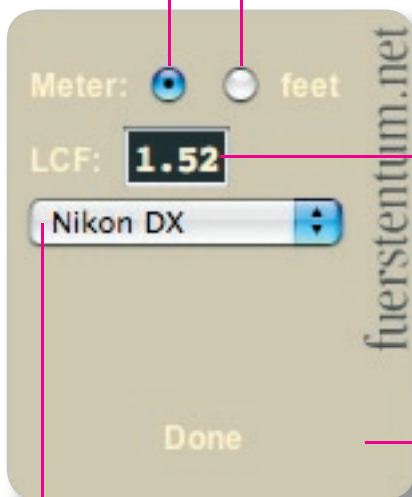
If you put the mouse pointer over the Widget, a small *i* will appear. Clicking the *i* flips the Widget, enabling you to enter some rather technical preferences.

The Back Panel

The back panel holds preferences you won't change often. If you need different preferences, as when using two different cameras, simply open two DOFC widgets and set preferences differently.

Click the radio button if you prefer distances shown in meters

If you're more comfortable using feet, click here



Here goes the lens correction factor

Once you're ready to use DOFC, click here

The lens correction factor, or LCF for short, you will need with digital SLR cameras which come with 35mm rated lenses. All Nikon SLRs (D50, D70, D70s, D1H, ..., D2X) use a LCF of 1.52. Canon SLRs vary a lot, please check the proper LCF for your model in the internet or with your dealer. The LCF is also useful if you attach a lens converter, whether wide angle or tele photo. Knowing the factor of that converter, you can enter it here and use the lens' focal length on the front panel as usual.

Select the size of sensor or film from this pop-up menu. Setting this choice properly ensures the sharpness values to be computed correctly. If you need „bigger than usual“ prints, DOF will be more shallow than indicated.

Selecting the size of film or sensor is especially important for computing sharpness and depth of field. If you have a digital SLR up to 12 mega pixels, you may choose Nikon DX even if you own a Canon. Compact digital cameras come with sensors of all sizes, so please check the internet for your model. As the diameter of least confusion becomes smaller the smaller the sensor gets, you may choose a smaller sensor to allow for bigger enlargements. The standard is set to meet the requirements for poster size 30" prints from a 35mm still frame.

Thanks for reading this manual, and I hope you enjoy using DOFC. If you want to send me any questions, suggestions, or simply a short message or some image you did using DOFC, please get to my Widget related webpage: www.fuerstentum.net/Widget or send me email: nf@fuerstentum.net