What is DoF and how does it effect the final image ?
Part 4

This is the final part of my series on Depth Of field (DoF).

Part 1 introduced Depth Of Field as a concept and showed how Aperture affects DoF.

We learned:

- *Depth Of Field = The amount of the photo that is in focus*
- *The larger the f-number, the more of the photo is in focus*

Part 2 looked at sensor size and we discovered,

- *The larger the sensor size, the greater the control over Depth Of Field*

Part 3 showed how zooming in on your subject changes the DoF and found out,

- *The more you zoom in, the less of the photo is in focus*

Now we will consider how moving the camera closer to the subject changes the DoF.

Let's look at the examples (Aperture, Focal Length, & Sensor Size are kept constant).

1.5m From Subject

The first photo shows all 3 of the front group of bottles in focus.

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0.65m From The Subject

In the second photo (0.65m away), the nearest 2 bottles are still focused but the the 3rd bottle is no longer in focus.

0.5m From The Subject

At 0.5m (the closest focus distance for this lens), you can see the 2nd bottle has become blurred. Only the nearest bottle is now in focus.

These examples now allow us to make our final conclusion regarding DoF.

The nearer the camera is to the subject, the less of the photo is in focus

Now you know all the factors that affect DoF. You can use them to create the effects you want in your photos. Experimenting with different combinations of Aperture, Sensor Size (if you have different cameras), Zoom, and Subject-Camera Distance will help you gain a fuller understanding of controlling focus.