

Depth of Field

Depth of field is another way of describing the focus distance in front of, and behind a subject. Often a soft blurry background accentuates the sharpness of a subject. It is most commonly used in macro photography, portraiture and weddings.

Depth of field can also decrease by using a telephoto lens and setting the aperture to the widest capable of that lens.

Example: A 200 mm lens at f:2.8.





Depth of field can also be increased to get a number of subject areas in focus, such as products, interiors or group photos.

These are best achieved with wide angle lenses that have good inherent depth of field. Example: An 18 mm lens at most apertures.





Depth of field can also increase by using small aperture numbers such as f:22. It is also dependant on the camera to subject distance as well as the focal length of a lens, as mentioned above. (A telephoto or wide angle lens).

Depth of Field



Using different focal lengths

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The model's image size in the camera remains constant at each of the three lens settings.



Lens set at 135 mm
Taken further from the subject

Using different apertures

The distance from camera to subject is approximately 5 meters. Model's image size remains constant.

