

Factors that affect Depth of Field

Depth of Field is the area that is in focus in a photograph from foreground to background.

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- **Aperture of the Lens:** The smaller the f-stop (f22) the more depth of field and conversely the wider the f-stop (f2.8) the less depth of field.
- **Focal Length of the Lens:** The wider the angle of view of the lens (35mm) the more depth of field and conversely the less angle of view of the lens (200mm) the less depth of field.
- **Camera to Subject Distance:** The further away the camera is from the subject (10 feet) the more depth of field and conversely the closer the camera is from the subject (1 foot) the less depth of field.
- **Distance between Objects:** The closer the objects are to each other the more depth of field and conversely the further away the objects are from one another the less depth of field.
- **Size of the Sensor:** The smaller the size of the sensor (point and shoot camera) the more depth of field and conversely the larger the size of the sensor (full frame camera) the less depth of field.
- **Tilting of the Lens Plane:** The more the lens plane is tilted forward (view cameras) the more depth of field and conversely a parallel lens plane (regular cameras) the less depth of field.