

## Depth of Field

Okay, you've heard the term used in video but it's still a little mysterious to you? What is it you say? Depth of Field. No, it's not the total amount of acreage used for gardening. Depth of field simply put is the range over which you are able to achieve visual resolution (discrimination).

Say what? To put it into the perspective of video, Depth of Field is:

1. The nearest and furthest extremes of distance from the surface of your eye to the object observed.
2. It may also be the difference between these extremes.

These definitions are ok, but I really need an example. The perfect example to exemplify Depth of focus is when you take a photograph of a close up of a person the background will often be out of focus. The background would not be acceptable in focus so the DOF would be the area in front of and behind a subject that will be in acceptable focus.

### **FACTORS AFFECTING DEPTH OF FIELD:**

- Distance of camera from subject:
  - The closer the lens the less the d.o.f.
  - The further the lens the greater the d.o.f.
- Aperture size:
  - The larger the selected aperture the less the d.o.f.
  - The smaller the selected aperture the greater the d.o.f.
- Focal length of lens:
  - The longer the F.L. (i.e., telephoto) the less the d.o.f.
  - The shorter the F.L. (i.e., wide angle) the greater the d.o.f.