

- The drawback of the pinhole camera is that we need a small pinhole to keep the image in focus
- But the smaller the pinhole, the fewer photons get through, meaning the image will be dark.
- We can gather more photons by keeping the pinhole open longer, but then we will get MOTION BLUR motion blur

Lens systems:

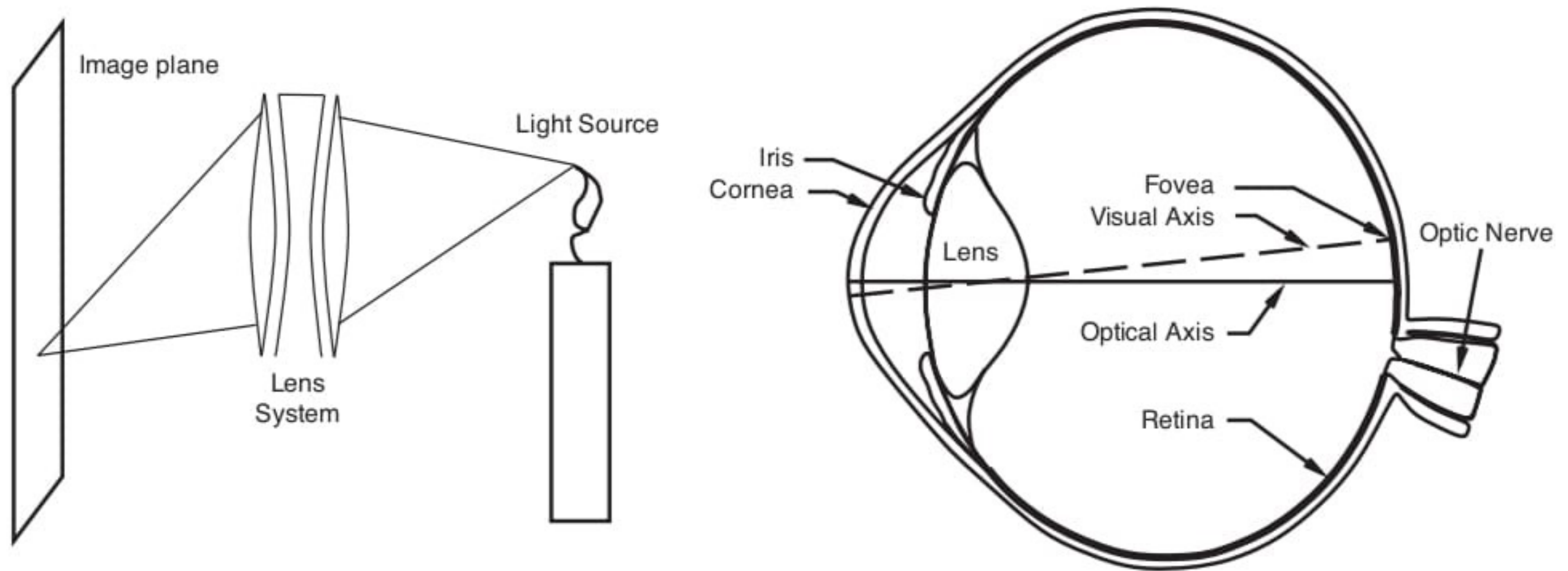


Figure 24.3 Lenses collect the light leaving a scene point in a range of directions, and steer it all to arrive at a single point on the image plane. Focusing works for points lying close to a focal plane in space; other points will not be focused properly. In cameras, elements of the lens system move to change the focal plane, whereas in the eye, the shape of the lens is changed by specialized muscles.

