

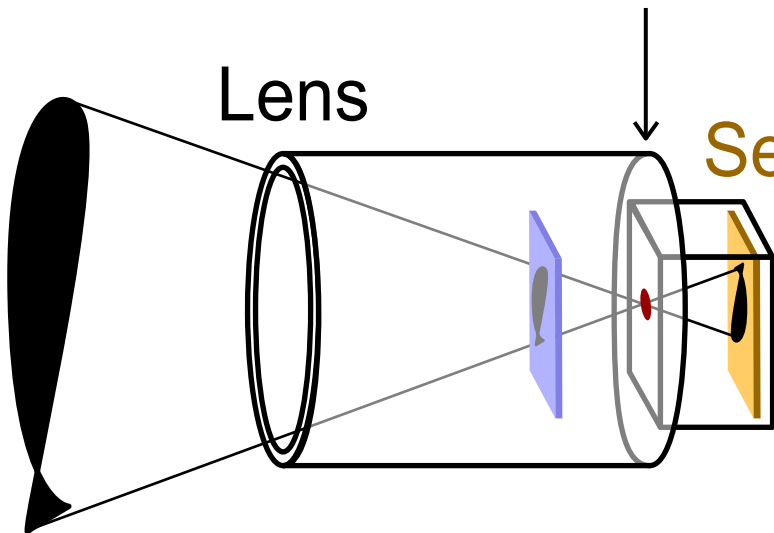
(a)

(Optical Centre)
Camera Centre

Lens

Sensor

Image Plane
(Focal Plane)



(b)

Camera
Centre

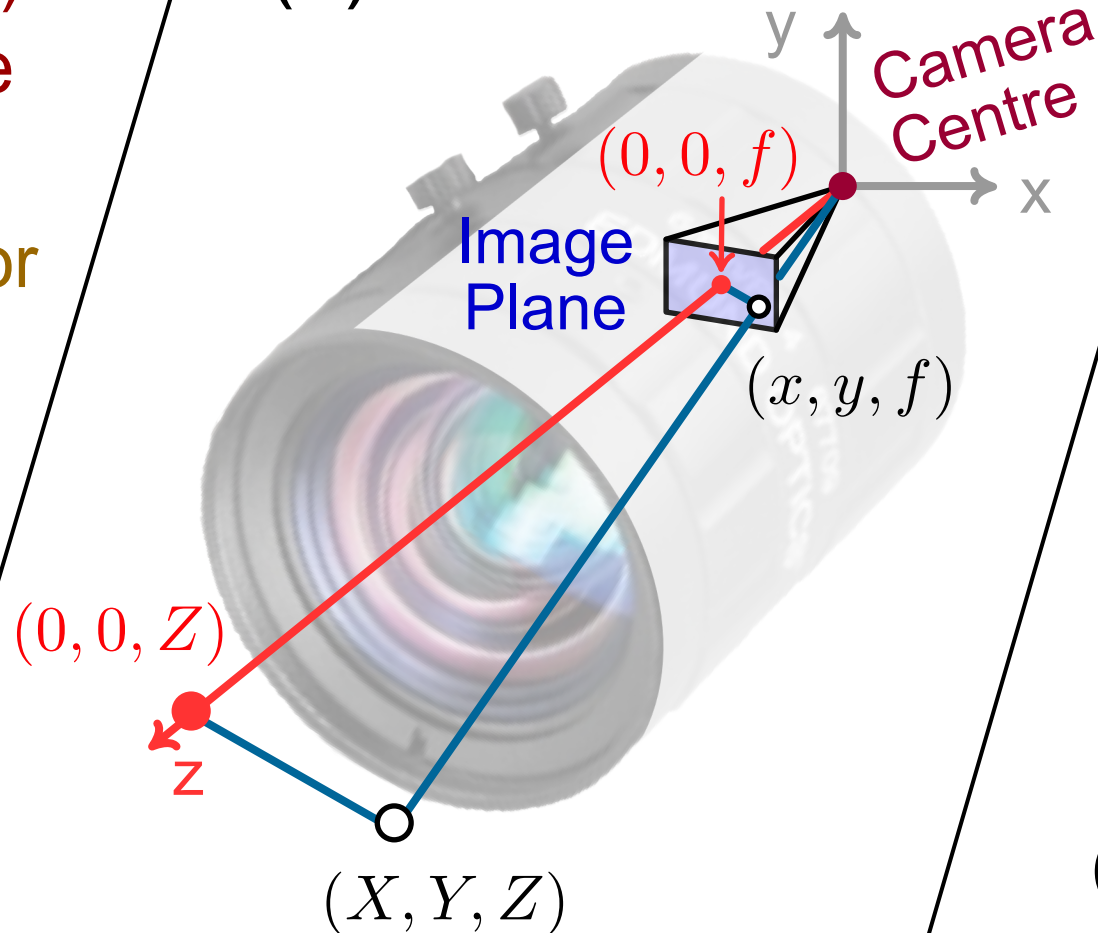
Image
Plane

$(0, 0, Z)$

(X, Y, Z)

$(0, 0, f)$

(x, y, f)



(c)

Camera
Centre

Image
Plane

x

f
focal
length

$(X \frac{f}{Z}, f)$

(X, Z)

z

