

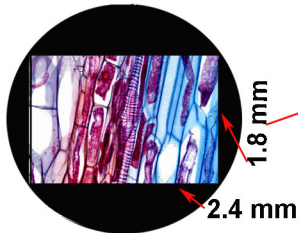
# Eyepiece Field of View

Below are several example configurations, along with an estimate of the human eye field of view (FOV) for comparison.

## Compound Microscope

	Ocular 20x with Objective Lens 4x = 80x	Ocular 16x with Objective Lens 10x = 160x
Human Eye	3 x 3 mm	1.5 x 1.5 mm
Dino-Eye Model	FOV	FOV
AM7025X	2.4 mm x 1.8 mm	0.96 mm x 0.72 mm
AM4023X	1.28 mm x 0.97 mm	0.42 mm x 0.31 mm

**Dino-Eye Camera**  
estimate FOV  
2.4mm x 1.8mm



estimate 3 mm  
Diameter

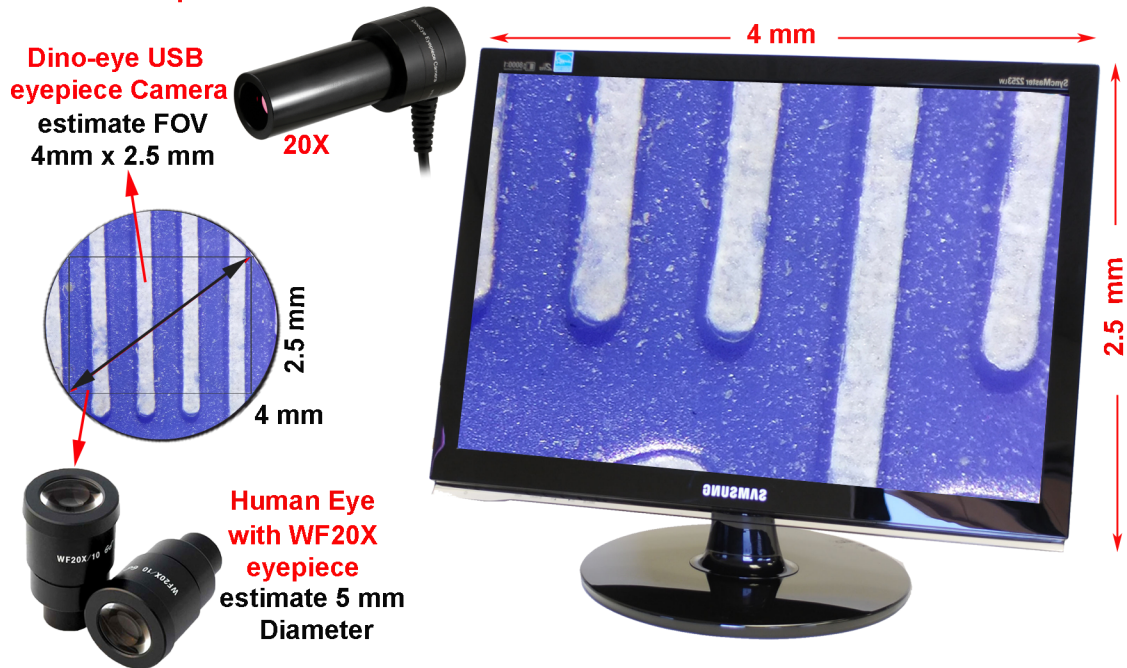


The AM series eyepiece cameras are equivalent to a 20x eyepiece (most traditional eyepiece are using 20x or 16x). Thus for a given objective lens, the eyepiece cameras will usually provide a smaller field of view and larger magnification of the original image when compared to the traditional eyepiece. To achieve a larger field of view with the DinoEye, use a less powerful objective lens, or attach a reducer lens such as a 0.5x lens.

## Stereo Microscope

	Ocular 20x with Objective Lens 2x = 40x	Ocular 10x with Objective Lens 2x = 20x
Human Eye	5 x 5 mm	10 x 10 mm
Dino-Eye Model	FOV	FOV
AM7025X	4 mm x 2.5 mm	4 mm x 2.5 mm
AM4023X	1.8 mm x 1.35 mm	1.8 mm x 1.35 mm

### FOV Example



The AM series eyepiece cameras are equivalent to a 20x eyepiece (most traditional eyepiece are using 20x or 10x). Thus for a given objective lens, the eyepiece cameras will usually provide a smaller field of view and larger magnification of the original image when compared to the traditional eyepiece. To achieve a larger field of view with the DinoEye, use a less powerful objective lens, or attach a reducer lens such as a 0.5x lens.