

# Image Formation

Computer Vision: AI3619

# Image Formation and Optics

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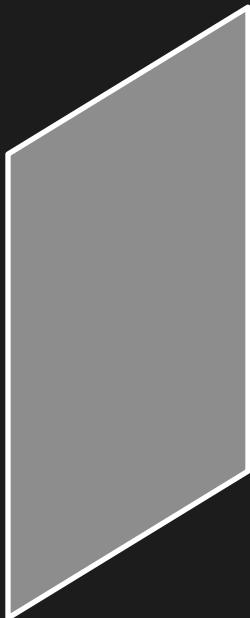
**Image:** Projection of 3D scene onto 2D plane.  
We need to understand **Geometric** and **Radiometric** relations between the scene and its image.

## Topics:

- (1) Pinhole and Perspective Projection
- (2) Vanishing Point
- (3) Image formation using Lenses
- (4) Lens Related Issues

# Image Formation

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Screen



Scene

Is an image being formed on the screen?

Yes! But not a “clear” one.