Macro Setups

- Macro Lens
- Extension Tubes
- Reverse Lens
  - Manual
  - Auto/Electronic
- Mobile Macro

Macro Lenses
Macro Lenses

Macro lenses
50mm, 60mm, 100mm, 180mm, 200mm

Dedicated macro lenses
Canon MP-E 65mm: 1-5x magnification
Extension Tubes

- Decrease minimum focal distance
- Increase magnification of subject on sensor
- Contain no optical elements (glass)
- Come in variety of sizes (can combine)
- Cheap ones do not maintain electrical connectivity (difficult to master)
Reverse Lens

Reverse Lens Overview
- Reverse prime lens
- Requires special adapter
- Wider the angle, greater the magnification
Manual Reverse Lens

Cons
- Darkened view
- Lens connections exposed

Pros
- Inexpensive
Auto/Electronic

Cons
No adapters for some cameras
More expensive than manual

Pros
Electronic aperture control
Bright view
Reverse Lens Magnification

With Vello Macrofilter (adds extension)

- 24mm = 2.6:1 magnification ratio
- 40mm = 1.2:1 magnification ratio

Mobile Macro
Mobile Macro

Macro lens adaptors
Disposable camera lens
**Disposable Camera Lens**

Without lens  With lens

**Lighting**

Onboard flash  Ring flashes  Twin light flashes

**Background**
Composition
Depth of Field

52

53

54
Stability
Use tripod or monopod
Hold your subject
Slow your breathing

Snowflakes