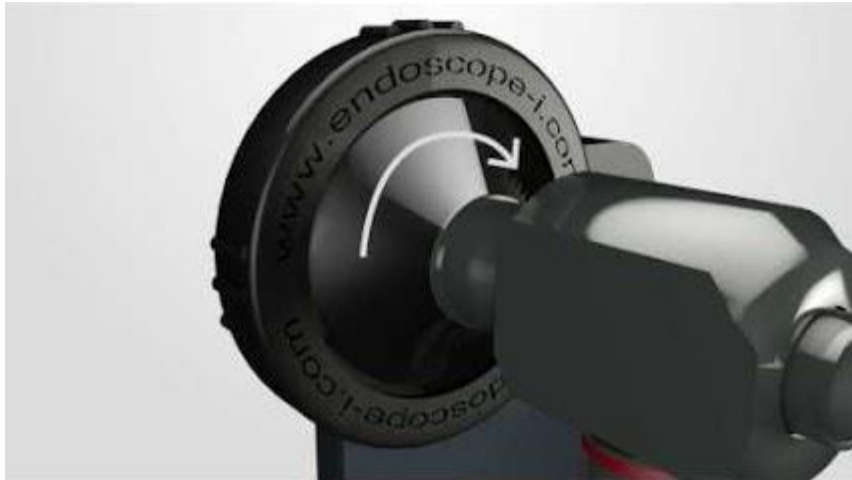


# Analysis on Existing Adaptors

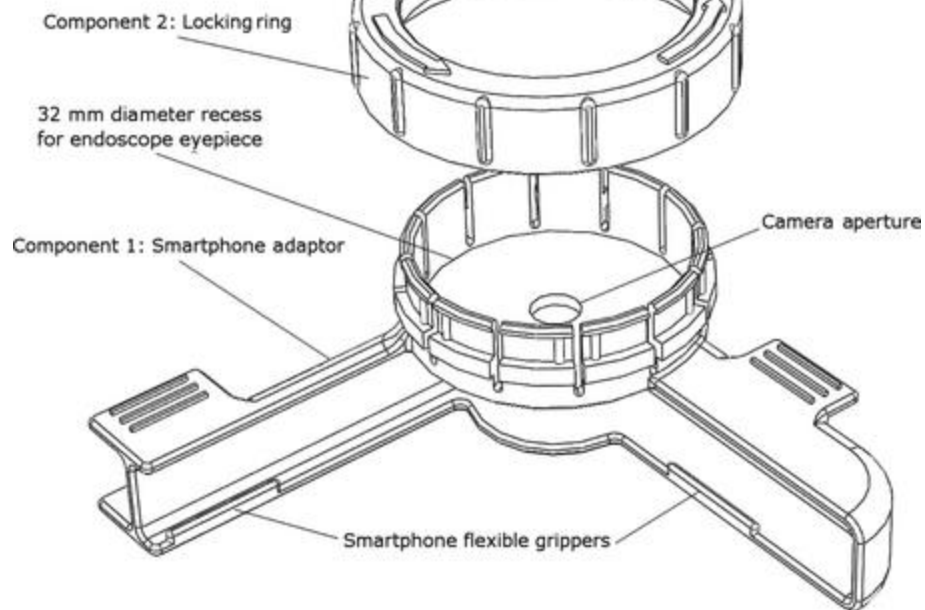
# Existing Design: Endoscope-I

- Endoscope-I
  - <http://endoscope-i.com/index.html>
  - £79.50 = \$132.84
  - iPhone 4/4s/5
  - iPhone App exists
  - Not adequate for flexible endoscope





(a)



(b)



# Cons

- Sterilization?
  - Has FDA approval?
    - Could be class 1 device?
  - Possible method
    - Gloves? Covers?
    - How about endoscope camera on tower?
      - How is it sterilized?
- A phone fixed onto the end?
  - Ergonomically unnatural
- Price
  - Apple is much more expensive than Android
- Image size limitation due to screen size
  - Possible solution
    - Relay it to tablet
    - External camera
    - Use Tablet

# Existing Design

- ClearSight
  - <http://www.clearwaterclinical.com/clearscope>
  - \$400
  - Compatible to any phone





# Cons (clearsight)

- Poor resolution
  - why is it worse than endoscope-i?



# 2.19 Notes

# Deliverables

- Minimum Deliverable
  - Proof of Concept for Android Tablet with Rigid Endoscope
- Expected
  - With Flexible Endoscope
  - Application: taking photo, export, better storing method...
- Maximum
  - Universal adaptor
  - Portable light source

# Some selling points

- Android << Apple
- Battery, no external power needed

# Background Research

- Sterilization
  - How does Dr. Mener sterilize it?