# DAM Homework (3)

2015-10-22

# Image Watermarking

- Implement Stenography

1.removing all but the last 2 bits of each color component

2.X 85

# Stenography

- Watermarking
  - Input
    - Ic: a color image
    - Iw: a watermark image
      - i.e., binary image with watermark information
      - or low resolution color image
      - or you can try QR code image
  - Output
    - I'c: a watermarked image
- Detection:
  - Input
    - Ic: a watermarked color image
  - Output
    - Iw: a watermark image
- two command lines

bonus: a simple web based service

# Constraints

- Use
  - Node.JS and gm/OpenCV library
    - or Python Image Library
- Deadline:
  - 2015-11-10

# Bonus

- True watermarking:
  - slides 29
  - slides 31

ftp://10.214.0.107/homework-03/...
user: stu
pass: 2015