snake-nography User Manual

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Github Link

Setup

Required Python Libraries

- opencv-python
- math **included**
- logging **included**
- numpy
- argparse **included**

to install all the required libraries `pip install numpy opencv-python`

Required Programs

- somesort of a shell
- python3

Notes

This program will only work lossless image fromats as the cover image such as bitmap.

the output format needs to match the orginal secret image format.

the cover image needs to be at least 8 times bigger in pixel count in both the height and width

Help

```
usage: snake-nography.py [-h] [-x <key>] [-d] (-c <secret image> <cover image>
<output> | -r <target file> <output>)

This program hides images into other images in lossless format.

options:
  -h, --help            show this help message and exit
  -x <key>, --xcrypt <key>
                        Decrypts or encrypts image using a XOR formula
  -d, --debug           Enables debug mode
  -c <secret image> <cover image> <output>, --cloak <secret image> <cover image>
<output>
                        Cloaks an image in another image
  -r <target file> <output>, --reveal <target file> <output>
                        Reveals an image hidden by this program
PS C:\Users\d0ntblink\OneDrive\Projects\snake-nography>
```

Examples

```
python3 snake-nography.py -c luna.bmp view.png output.png
python3 snake-nography.py -c luna.bmp view.png output.png -x "secretpassword"
python3 snake-nography.py -r output.png showmethemoney.bmp -x "secretpassword"
```