Steven Sclafani ARTS 486 Project 1: As We May Rethink Functional Specification February 4, 2020

Scope The Camera of the Future is a microscopic device

to be worn in several different ways. The goal is to aid photographers, researchers and all users to quickly, easily and discreetly capture an image.

Features •Speed and portability

Wireless & bluetooth connection

•Mobile smartphone app with adjustable functions, such as zoom, aperature, focus & day/night mode

Automatic exposure

Instant results via smartphone

Easily printable

Cost Due to its size and features, the Camera of the

Future cost would compare to a small device, such

as AirPods within the \$150-\$300 range.

**Solution** This microscopic camera will allow users to easily

and discreetly capture an image, yielding instant results through a mobile app. Physical prints are to be easily made. Users will be able to capture images from unconventional perspectives with

speed and ease.

Physical •2x2in, square design

Circular button to capture image

Micro SD card reader

·Optional rangefinder glasses upgrade

Technolo- •Wifi & bluetooth

Mobile smartphone app

Video recording

Require- This device takes pictures and video recordings on

a microscopic scale that can be enlarged to any

Use Cases Science Photographer

1. Find specimen

2. Adjust desired features via app

3. Get within rangefinder of specimen

4. Capture image via button

5. View results on mobile device

6. Transfer file or print

Nonfunctional Specs

Device storage capacity in GB and RAM.