

# PART 1: FUNCTIONAL SPECIFICATION

## SCOPE

The Camera of the Future will revolutionize the way photos are taken, how images/photos are stored and developed, and streamline the user's experience. It will eliminate the need for multiple accessories (camera lens, tripods, shutter release cables, batteries, etc.), and dark room wet film technology.

## SOLUTION OVERVIEW

- Universal, autofocus camera lens in the fashion of traditional eyeglasses.
- Device is easily used by placing on user's face.
- Minimal functional buttons located on the left and right temples of eyeglasses dictate features of a traditional camera (shutter button, zoom in/out, navigational gallery view features: scroll/save/delete).
- Removable hardware accent piece on temple doubles as memory card/flashdrive where captured images are stored.

## REQUIREMENTS SPECIFICATION

- Must be a wearable device/able to be attached to user's body
- Universal autofocus camera lens
- Shutter release button (located on right temple)
- Zoom in/out buttons (located on right temple)
  - \* To browse and delete images when gallery view is enabled
- Navigational gallery view/info button (located on left temple)
  - \* To view captured images
  - \* To scroll through captured images
  - \* To view battery life %
- Compatible solar paneled charging case

## USE CASES

- 1 Remove Camera of the Future eyeglasses from charging case
- 2 Expand/open eyeglasses to activate/turn on camera
- 3 Place on face/nosebridge to activate field of vision
- 4 Face desired subject to photograph with eyeglasses camera comfortably resting on face
- 5 Allow camera lens to autofocus/autoexpose to subject in field of vision
- 6 Zoom in/out via functional buttons on temple (R) if necessary
- 7 Press shutter release button on temple (R) to capture image
- 8 Press gallery view/info button on temple (L) to view captured images

## NON-FUNCTIONAL REQUIREMENTS

- Style of camera eyeglass frames can be customized (colors/accents)
- Style of charging case can be customized
  - \* Colors
  - \* Custom engraving