

P.I.X.E.L.

Design Review 0 - Agenda

1/23/2025

Attendees: Jack Allardyce (meeting leader), Lindsey Canessa (notes), Josiah Owens, Victoria Ryan, Delaney Smith, Professor Schafer

Agenda Items:

1. Project Overview
 - a. System block diagram explanation
 - b. Subsystem requirements and explanation
 - i. Subsystem 1: Camera Control Module and Interface
 - ii. Subsystem 2: Power
 - iii. Subsystem 3: User Interface Description
 - iv. Subsystem 4: Cloud / Post Processing
 - v. Bluetooth and WiFi interactions details and concerns
2. Plan for Design Review 1
 - a. Action plan for the complete subsystem design
3. Plan for Design Review 2
 - a. Action plan for subsystem hardware demonstration
4. Component Details
 - a. Antenna and ESP32 types discussion
 - b. External charging subsystem for battery
 - c. Availability, pricing, and shipping concerns
 - d. Laser line level discussion
 - e. Memory management
 - f. Photo sharing method