

## **EARS [Part 5]**

### **Ears for Control Panel Interface**

1. Environmental requirement:
  - E1. The control panel interface shall be resistant to dust.
  - E2. The control panel interface shall consume up to 80 watts per day.
2. Interface requirement:
  - I1. The control panel interface shall be designed to be easily accessible and usable by seniors with limited mobility or vision impairments.
3. Functional requirement:
  - F1. The control panel interface shall be able to control the house lights, appliances, cameras, and locks remotely or by voice activation, with the ability to turn them on/off, volume, temperature, and other settings.
4. Performance requirement:
  - P1. If an emergency situation is detected, the control panel interface shall be able to process emergency alerts and send notifications to designated contacts within 20 seconds of detection.
5. Physical requirement:
  - PH1. The wearable devices connected to the control panel shall be water-resistant and durable enough to withstand everyday use and accidental drops.
6. Operational requirement:
  - O1. While maintaining the security and privacy of the user's data and information, The control panel interface shall be able to operate continuously for 24/7, with the ability to handle multiple commands and devices simultaneously.