Supplementary Material

Article Title

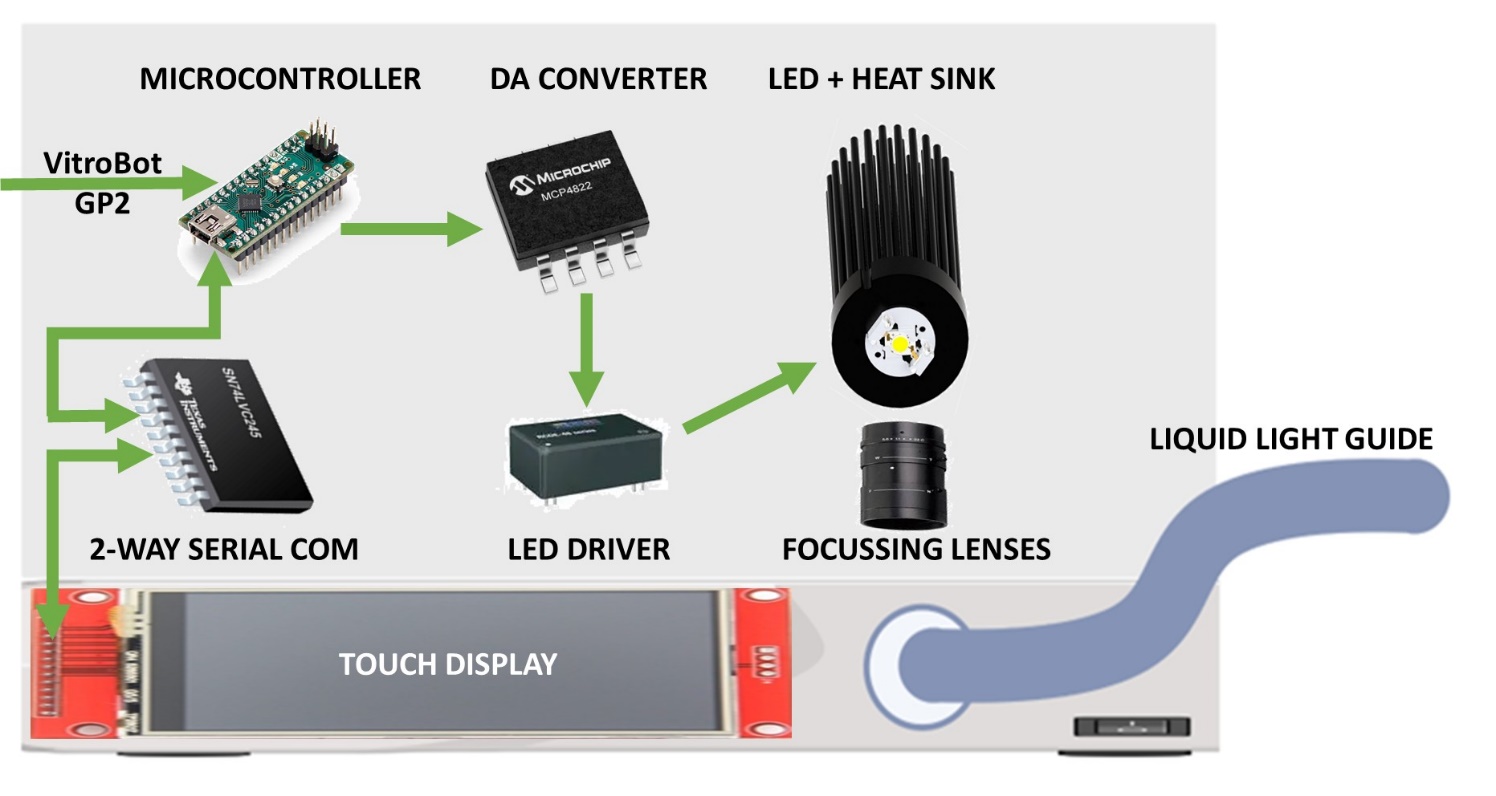
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## Supplementary Web Accessible Data.

## The controller code, STL files as well as an operations manual are freely available on GitHub at https://github.com/Stowell-Lab/photoflashV1.

## Supplementary Figures and Videos



**Supplementary Figure 1.** Schematic and components of the LED control electronics. Refer to Table 4 for manufacturing part numbers.



**Supplementary Figure 2.** Photograph of the fully assembled LED system**.**



**Supplementary Video 1.** Video ofVitroBot Mark IV in operation with the LED light source**.**

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**Supplementary Video 2.** Video of GP2 in operation with the LED light source.