



Figure 1. EHT assay device design. a-c. Schematic top (a), front (b), and side (c) views showing the 80/20 extruded aluminum frame supporting the mechanical stage. The side view details the camera attachment to a linear actuator through 3D printed mounts. A 3D printed attachment to the top of the lens holds a white LED ring light and a blue long-pass filter. The blue pacing LEDs are mounted above the stage under an aluminum heatsink/support. **d.** EHT assay device photo taken from the front.