

Supplementary information for

Color calibration and fusion of lens-free and mobile-phone microscopy images for high-resolution and accurate color reproduction

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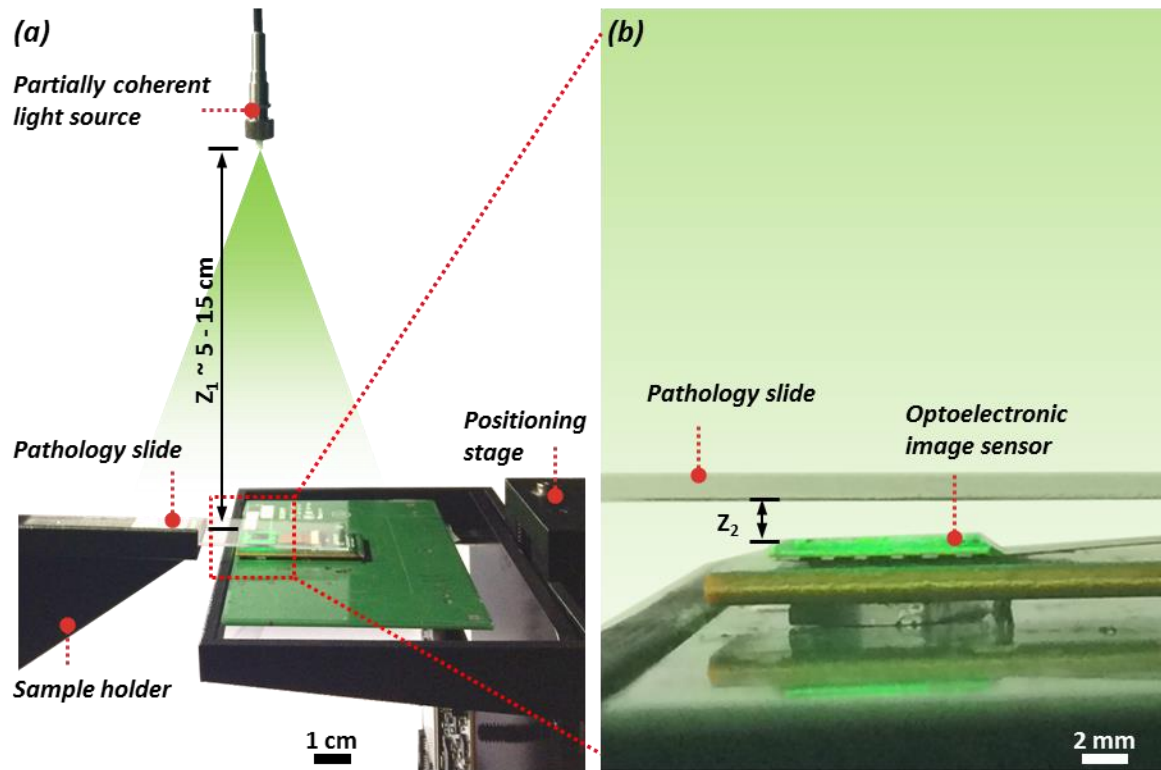
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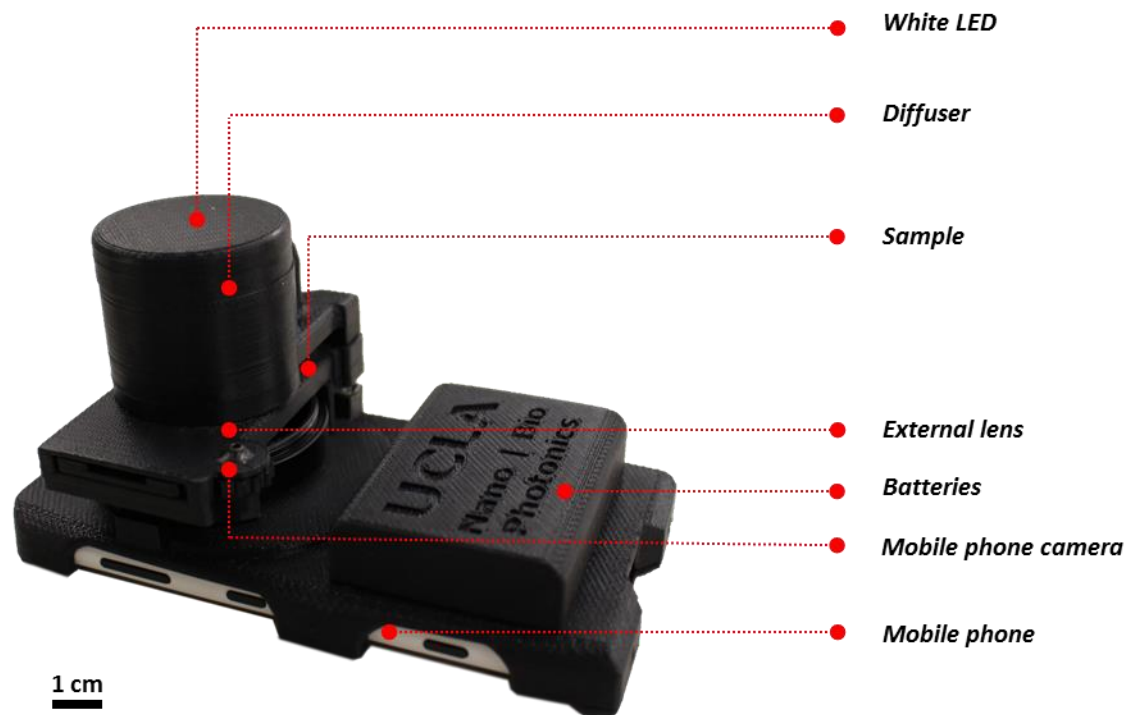
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Supplementary Figures



Supplementary Figure S1: (a) Lens-free on-chip microscopy setup. (b) Zoom-in view of the relative position of the sample and the image sensor chip. The image sensor chip is placed below the sample with a typical z_2 distance of $< 1 \text{ mm}$. The z_2 distance in this figure is enlarged for ease of visualization.



Supplementary Figure S2: Mobile-phone based microscope optical design. The light from a white LED passes through a diffuser to illuminate the sample (e.g., a pathology slide). The sample is mounted on a custom-fabricated x-y-z translation stage. An external lens is placed on top of the mobile phone camera to provide magnification. When operated, the mobile-phone microscope is held in a vertical position.