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Optical Coherence Tomography Retina Scanner

Nowadays, there are many patients with retina disorders, e.g., diabetes retinopathy. Investigation and treatment of the retina disorder in its earlier stage can reduce permanent vision loss. The robust imaging technology that can help the doctor to diagnose the retina disorder in its earlier stage is the Optical Coherence Tomography (OCT) retina scanner. The OCT retina scanner is capable of non-invasive and non-contact 3D imaging of the retina tissues. In this work, we aim to design and implement the OCT retina scanner for retinal imaging.

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