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(57) Abstract :

A handheld device (100) for ophthalmic examination for clinical diagnostic and treatment purposes. The user may test eyes at home without visiting a clinic, and an ophthalmologist is connected via a smartphone to test the eyes from a remote location. The device is configured to acquire images of various parts of the eye such as cornea, lens, and retina, and analyse the images to detect eye disease. In addition, the captured images are transmitted to store the acquired one or more images at a remotely located server and the server can be accessed by the user and the associated ophthalmologist. The users may hold the device with one hand, freeing another hand to work on other tasks.

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