

The rising prevalence of myopia (short sightedness), particularly in the 21st century, is attributed to reduced outdoor activities and increased near-distance work, often involving screens. Unfortunately, digital devices do not offer objective and efficient tools to prevent myopic progression caused by screen usage. To meet the growing demand for Myopia prevention and vision health monitoring, NovaSight is developing TrackSight™ — a revolutionary software as a service (SaaS) solution leveraging computer monitors' embedded webcams for the use of eye tracking. Myopia prevention is achieved by dynamically blurring the peripheral screen area based on the user's gaze position and the same time effectively reducing strain while maintaining a clear central vision.