

Leading a global eye-tracking revolution in pediatric vision care

3 approved products **27** granted Patents

Commercially availability in **3** major markets

\$35M Raised **2** Global subsidiaries
(US, China)

Supported by leading strategics and venture capital

RIMONCI 睿盟希

Santen

EssilorLuxottica





Diagnostics

EyeSwift®PRO

Vision diagnostics



Treatment

CureSight

Amblyopia treatment

CE marked

FDA cleared

NMPA approved



Prevention & Monitoring

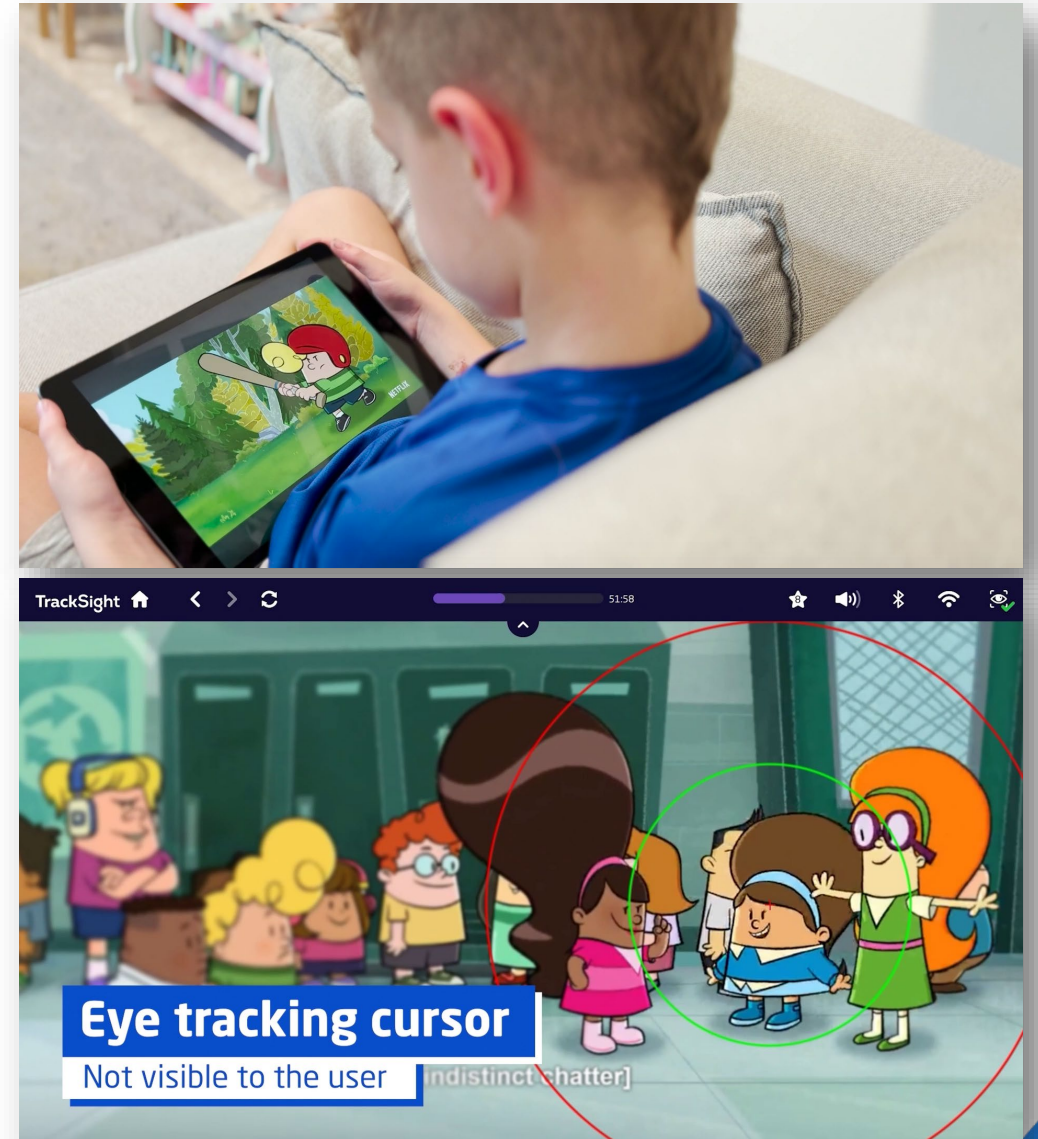
TrackSight

Myopia prevention

**Pipeline - Consumer
Electronics**

TrackSight EXECUTIVE SUMMARY

- ✓ TrackSight is a SaaS application using AI-based eye tracking through integrated cameras of tablets and laptops
- ✓ Digitizing the principles of “Myopic Blur” and “Contrast Reduction” of the proven myopia control glasses
- ✓ Running on any device and any content both local and online
- ✓ Real-time, high-performance image processing application at the GPU level
- ✓ Leveraging on NovaSight’s years of experience in the development of clinically validated eye tracking-based real-time image processing solutions for amblyopia treatment - CureSight™
- ✓ Patented technology - US patent 11918287, pending worldwide
- ✓ Promising clinical results of the transient axial length response in initial POC study
- ✓ Potentially marketed as a standalone solution for pre-myopic children, or as a combination therapy with drugs or optical therapy following Myopia onset
- ✓ Vision health features of distance tracking, dry eye warnings and eye fatigue warnings to be developed as a second step



TrackSight DYNAMIC PERIPHERAL DEGRADATION (DPD) TECHNOLOGY

- ✓ **AI-based eye-tracking algorithms** developed and perfected for years and trained on tens of thousand of eye sets
- ✓ NovaSight's degradation algorithm simulates a combination of contrast reduction and myopic blur technologies. The peripheral image is broken into its basic RGB components, and each image is blurred by a different amount and to a different contrast reduction to create our proprietary **chromatic blur technology**
- ✓ **Real-time image processing algorithms** running directly at the **GPU level**, allowing for excellent performance, transparent to the user
- ✓ A center view image of $\sim 6^\circ$ is kept sharp while the periphery of the screen is being degraded by a combination of blur and contrast reduction
- ✓ Addressing the '**sweet spot**' of **retinal sensitivity** which lies between 6° to 10° and typically missed by myopia control spectacle lenses
- ✓ The field of view is dynamically responsive to the distance to keep a constant angular FOV

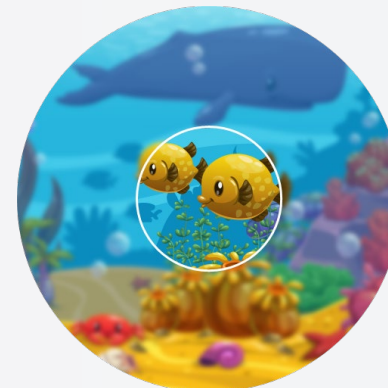


TrackSight ADVANTAGES OVER MYOPIA CONTROL GLASSES

- ✓ **Potentially higher efficacy** due to the smaller clear aperture - TrackSight degrades beyond 6° while glasses typically degrade beyond 11°.
 - A recent study found that the sweet spot of retinal sensitivity to myopia progression lies between 6° to 10° (see next slide)
- ✓ TrackSight is password-protected and cannot be removed by the child like myopia control glasses, which are not required for near-view watching by myopic children.
 - The DOT study by SightGlass found that 35% of children in the study did not wear the glasses at all times
- ✓ **TrackSight is an ideal solution for pre-myopic children** and their parents who are reluctant to embark on any myopia prevention solution due to comfort, cost, and appearance.
 - TrackSight is an affordable and invisible solution that could be easily adopted by families as the first step in their myopia prevention journey
- ✓ In a randomized crossover proof-of-concept study conducted in Israel and China, **TrackSight demonstrated promising early results** by using gaze-contingent peripheral chromatic blur to trigger an acute “anti-myopia” biological signal, measured via short-term axial length (AL) change, a proxy for rapid choroidal thickness modulation. The intervention produced **a statistically significant AL shortening** versus control in both children and young adults, indicating an eye response consistent with inhibited eye-growth signaling and supporting the rationale for longer-term myopia-control evaluation.

Myopic blur

DIMS, H.A.L.T



Contrast reduction

DOT Lens

