



KALEIDOS

Light Independent Vision Screener

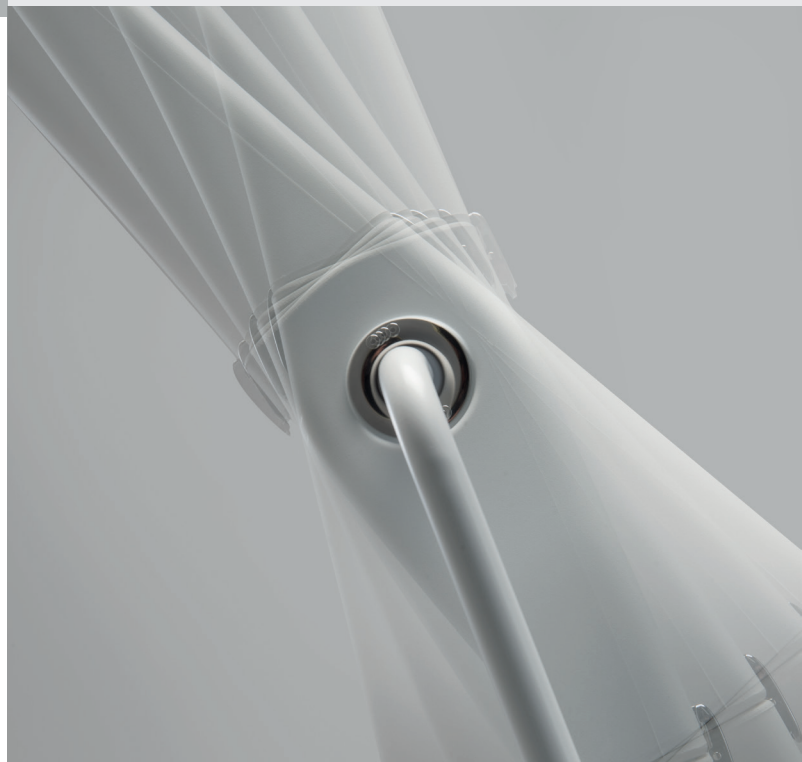


Binocular Vision Screener

Kaleidos detects refractive errors such as myopia, hyperopia, astigmatism and other sight anomalies. This procedure is performed binocularly, in real life vision conditions without the use of cyclopegic drugs.

Fast and precise

Binocular objective refraction only takes less than 10 seconds using Kaleidos. The measurement is fully automated and the reliability of each examination is automatically checked by the device.



Portable and light independent

Thanks to its compact and practical carrying case, Kaleidos is fully portable. The tube functions as an integrated darkroom for the device at its base. By automatically establishing the ideal 1-meter distance from the patient, it allows objective refraction to be measured reliably in any environment and under any lighting conditions.

Next-level efficiency for high-volume screenings

Kaleidos syncs effortlessly with the tablet via the intuitive Kaleidos App, built to streamline data storage and sharing with colleagues and patients. Featuring an integrated Screening Mode, the software is fully optimized for mass testing, allowing large-scale screenings to be performed quickly and efficiently.



Screen anywhere in the world

We are dedicated to creating unique devices tailored for mass vision screenings in remote and underserved regions to overcome barriers to eye care. Eye examinations are essential to detect early vision problems, yet individuals in isolated areas face the greatest challenges in accessing them. Kaleidos is the essential, portable solution designed to bridge this gap, bringing advanced vision care directly to the communities that need it most.

“

Kaleidos allows simultaneous evaluation of refraction and binocular cooperation of subjects in natural (without cycloplegia) and not dissociating conditions, as opposite to autorefractometers, which only work monocularly.

Kaleidos is an indispensable device for amblyogenic risk factors screening (refractive errors, dioptric means opacity, strabismus), especially in pre-scholar children.

~ Dr. Mario Angi (Ophthalmologist)

Technical Information

• Model Name: 2WIN-S	• Commercial Name: Kaleidos
• Operating Mode: Automatic, binocular / monocular	• User Interface: Android application for tablets, providing remote control, live streaming, data management
• Sphere Range: ± 15 D; in the range ± 7 D, step 0.25 D from ± 7 D to ± 15 D, step 0.50 D	• Data Interface: Wi-Fi, internal microSD card & Bluetooth
• Cylinder Range: ± 5 D, step 0.25 D	• Tablet Printer Interface: Bluetooth, Wi-Fi and email printing
• Cylinder Axis: $1^\circ - 180^\circ$, step 1°	• Tube Size: 119 x 23 x 15 cm
• Pupil Size: Automatic detection, 4-11 mm, step 0.1 mm	• Metal Stand Size: 45 x 32 x 21,5 cm
• Pupil Distance: Automatic detection, 30-120 mm, step 0.1 mm	• Max Height Operation System: 130 cm
• Fixation Target: Built-in	• Net Weight: 5,5 kg
• Acoustic Target: Built-in	• Power: Rechargeable battery pack, 50 Wh
• Hygienical Disposable Masks: Included	• Battery Charge: AC/DC medical power supply 18V, 40 W



Adaptica S.r.l.
Via San Marco, 9/H
35129 Padova, Italy

Ph. +39 049 773 968
Fax +39 049 097 0901
www.adaptica.com
contact@adaptica.com

