



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 drops.

Portable and light independent

Kaleidos, thanks to a small and practical suitcase, can be transported everywhere. The tube serves as a portable dark room for the device, allowing refractive examinations in any environment and light condition.



Fast and precise

Binocular objective refraction only takes 3 seconds using Kaleidos. The measurement is fully automated and the reliability of each examination is automatically checked by the device.



New Screening Mode on Kaleidos App is now available

Kaleidos communicates with a tablet through the intuitive Kaleidos App, an user friendly application that can be used to store and share data with collaborators, colleagues and patients. With the latest update of Kaleidos App, the new Screening Mode is available. This update expands the software's modes, allowing mass screening tests to be performed quickly, efficiently and rapidly.

The essential device for mass screening tests

We are dedicated to make unique devices most suitable for Vision Screening of pre and early school kids. Eye examinations are essential to detect vision problems, and children may have difficulty expressing their inability to see properly. By detecting early vision problems, an appropriate remedy for students can be taken. Through an intuitive and easy-to-use interface, it will be possible for operators to perform consecutive examinations faster and more efficiently.



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



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