ADAPTICA
powered by eyeROBO®

CLEANABLE PLASTIC
• HYGIENICALLY •
SAFE
Hygienical Masks Included

NO CONTACT WITH PATIENTS
• SAFE WORKING •
DISTANCE
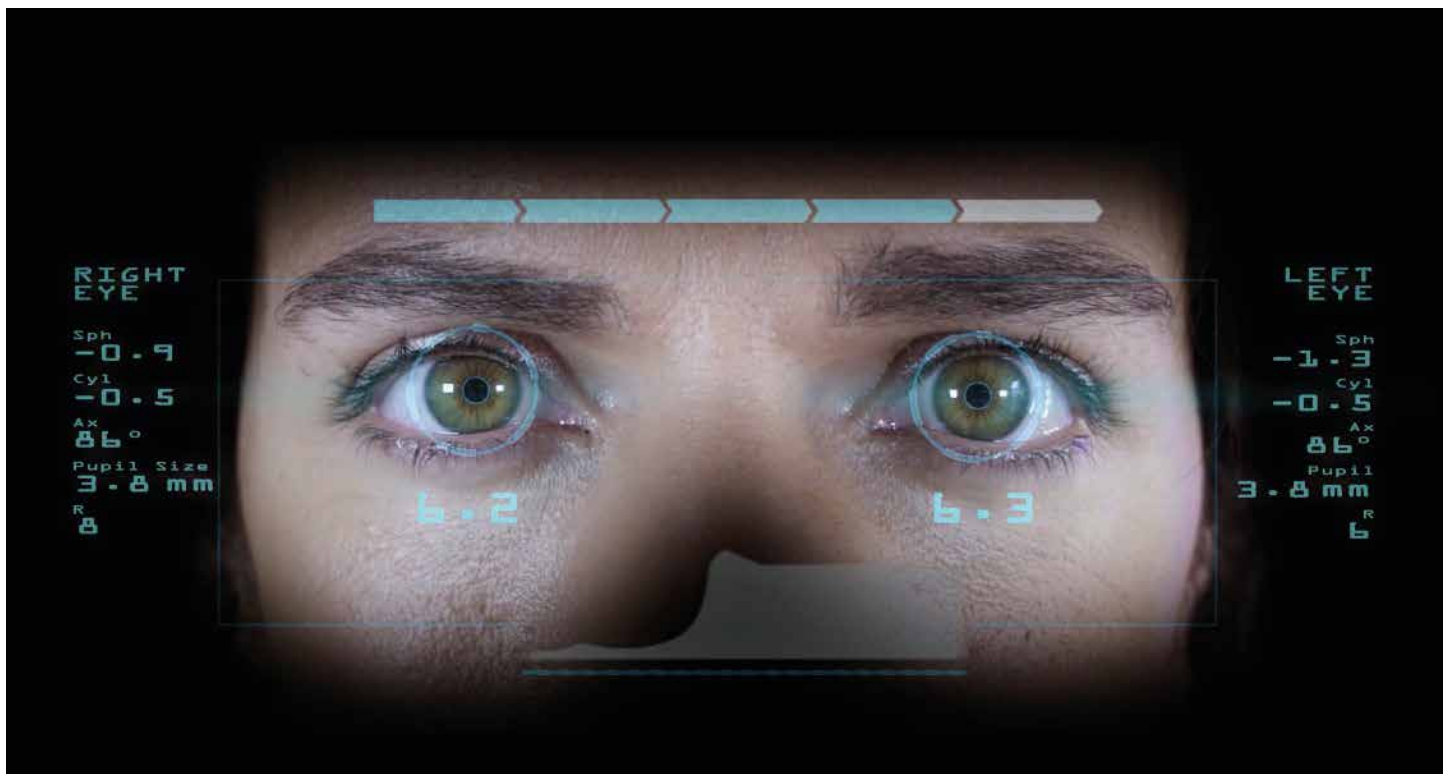Patient-Operator Distance > 1m

KALEIDOS plus
powered by eyeROBO®

First and unique A.I. based Vision Screener

The A.I. Revolution in the Eye Care System

2WIN-S plus, powered by the innovative EyeROBO® A.I. based platform, is the best solution to perform exams in a more efficient and costs effective way, making the highest quality health care services accessible to all.

EyeROBO® combines the widest range of eye examinations and technologies in the market, with a unique high-density storage solution for data management and inter-connectivity, addressed to specialists of the eye-care, eye-fashion and data collection.

Fast and Multifunctional

2WIN-S plus is the only Vision Analyzer that makes a complete measurement of Objective Refraction, Amblyogenic Factors' Screening and Anterior Segment Anomalies Screening in just 3 seconds. The patient's eyes are analyzed at the same time in real life vision conditions, with no need of cycloplegic drops.

Thanks to its special Corneal Reflexes function, 2WIN-S plus is able also to detect possible phorias and tropias.

The speed of operation and the variety of detected parameters make 2WIN-S plus the best solution to collect the highest number of information on the patient's eyes reducing the examination time.

2WIN-S plus measured parameters:

- Sphere
- Cylinder
- Axis
- Spherical Equivalent
- Anisometropia
- Pupil size
- Anisocoria
- Pupil distance
- Head tilt
- Gaze
- Possible phorias
- Possible tropias
- Possible Anterior Segment anomalies

Anterior Segment Screening

Anterior Segment Screening function is a complete A.I. system on the cloud for anomalies in the anterior segment of the eye. The A.I. algorithm running on the EyeROBO® platform is based on a Convolutional Neural Network and it has been trained on thousands of pupils. The pupils' images acquired by 2WIN-S plus during the measurement are instantly processed by the EyeROBO® platform and, if any anomaly of the anterior segment is detected, a warning is given to the operator with the indication of the eye, if right and/or left.

The highest connectivity levels

Thanks to its direct connection to Adaptica Cloud, 2WIN-S plus allows to collect, store and process unlimited amounts of data.

2WIN-S plus provides also EMR integration through shared folder. The shared folder allows to input patient data from your EMR System directly to 2WIN-S plus. Once the measurement is completed, the exam data and exam report are automatically synchronized with your EMR System.

Portable and fully automatic

2WIN-S plus is remotely controlled by a user-friendly application running on a dedicated Remote Console . Its ease of use allows to delegate measurements also to a not specialized operator: the measurement is fully automatic and only requires the operator's confirmation to start.

2WIN-S plus, thanks to a practical trolley suitcase, can be transported everywhere. The device serves as a portable dark room that allows the examination in any environment and light condition.

Technical Information

- **Operating Mode:** Binocular/ Monocular

- **Refraction Measurement:** Automatic

- **Anterior Segment Screening:** A.I. based, automatic

- **Corneal Reflexes:** Detection of phorias and tropias up to 30 prism diopters

- **Sphere Range:** ±15 D; in the range ±7 D, step 0.25 D from ±7 D to ±15 D, step 0.50 D

- **Cylinder Range:** ±5 D, step 0.25 D

- **Cylinder Axis:** 1°–180°, step 1°

- **Pupil Size:** 4–11 mm, step 0.1 mm

- **Pupil Distance:** Automatic detection, 30–120 mm, step 0.1 mm

- **Fixation Target:** Built-in

- **Acoustic Target:** Built-in

- **Remote Control:** Dedicated Remote Console

- **Measurement:** Patient - Operator distance > 1 m

- **Connectivity:** Bluetooth

- **User Interface:** Android application providing remote control, live streaming, data management

- **Data Interface:** Bluetooth, Wi-Fi, internal microSD card

- **Printer Interface:** Through the Remote Console (Wi-Fi, Bluetooth, email)

- **EMR Integration:** Shared folder, customizable

- **Data Management:** Cloud-storage compatible system

- **Tube Size:** 119 x 23 x 15 cm

- **Metal Stand Size:** 45 x 32 x 21,5 cm

- **Max height operation system:** 130 cm

- **Weight:** 5,5 kg

- **Power:** Rechargeable battery pack, 50 Wh

- **Battery Charge:** AC/DC medical power supply 18V, 40W

- **Hygienical Disposable Masks:** Included

ADAPTICA

powered by eyeROBO®