

Rexxam

Quality in vision care

FIELDNavigator

Eye-Tracking Perimeter

from **Grafton Optical**

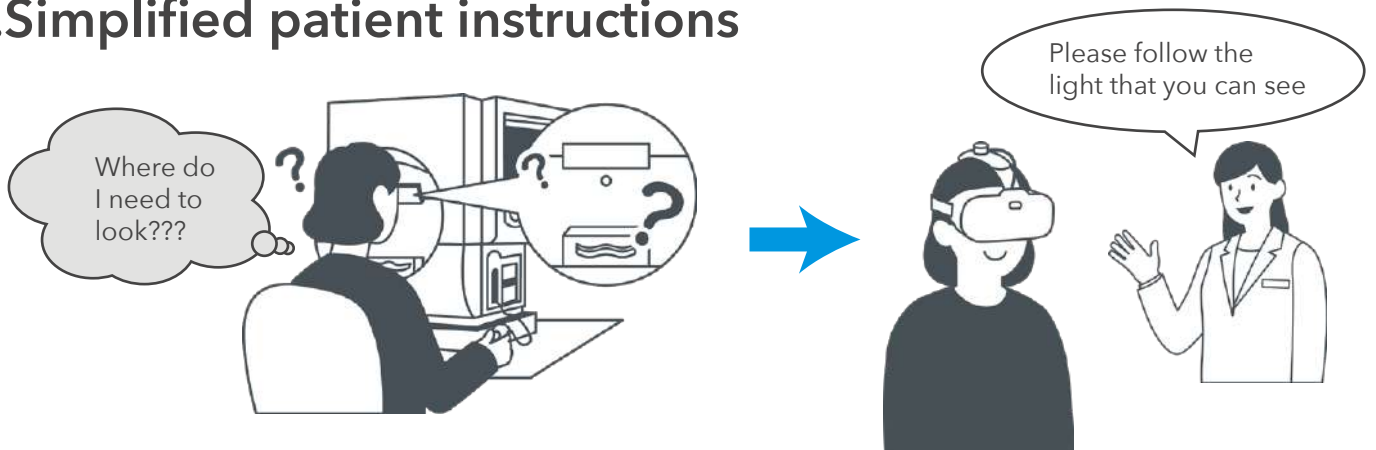


Optimising visual field examination

Proudly  Made in Japan

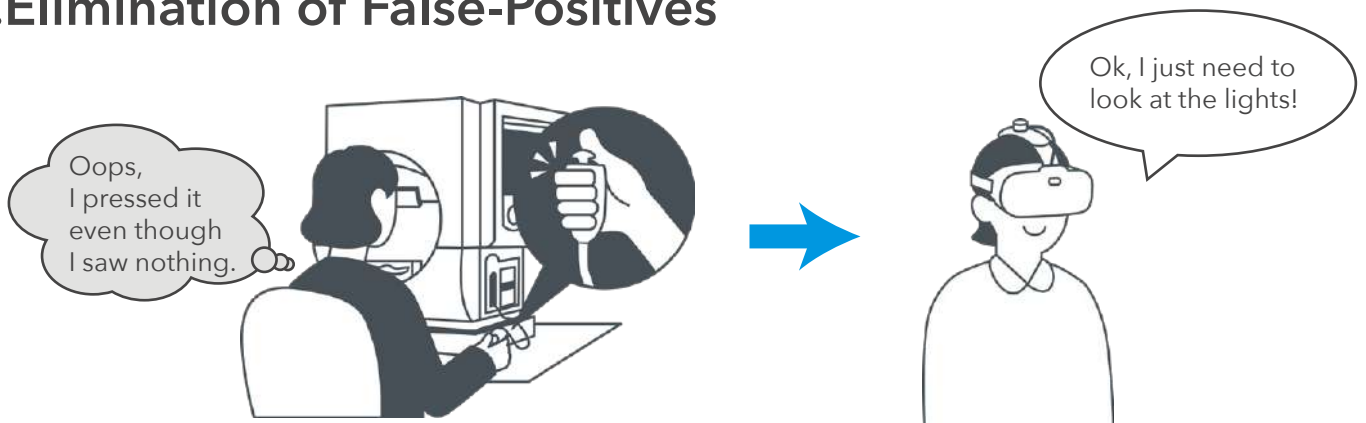
FIELDNavigator

1. Simplified patient instructions



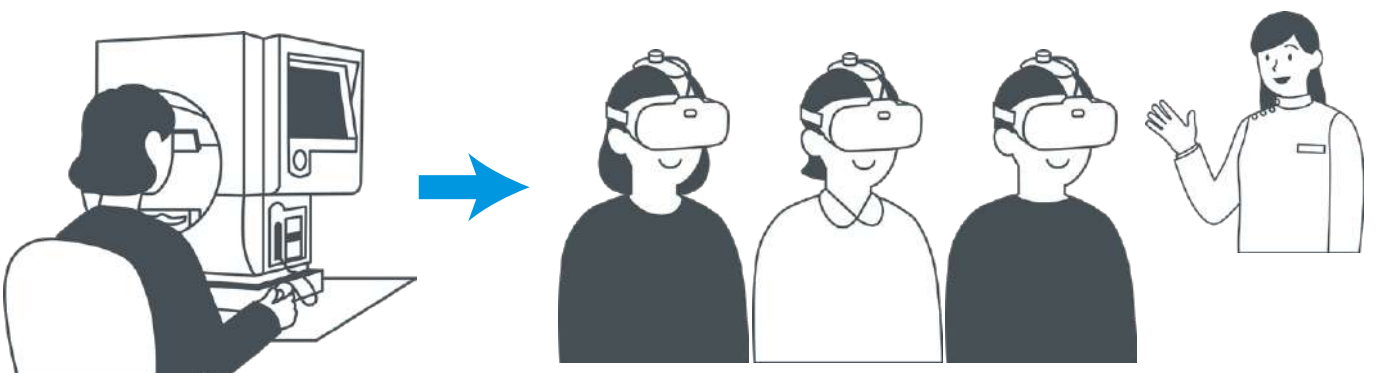
With automatic eye-tracking and hands-free measurements, the examiner can provide clearer explanations of the testing process to the examinee. Patients can readily pinpoint the target without confusion about its location.

2. Elimination of False-Positives



Traditional visual field tests demand prolonged concentration from patients and may result in accidental responses due to fatigue, leading to false-positive outcomes. The FIELDNavigator operates without necessitating the response switch, effectively mitigating the risk of false-positives. Nonetheless, the conventional response switch remains available for patients encountering challenges in tracking stimuli, such as those with central vision loss.

3. Compact Design



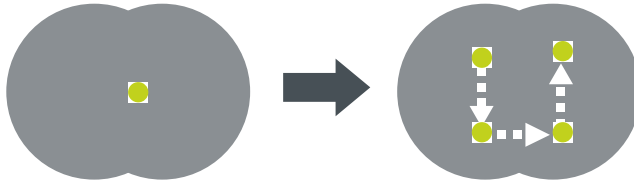
The FIELDNavigator is portable and compact, eliminating the need for a dark room during operation. Its minimal supervision requirements enable a single examiner to attend to a larger number of patients.

1 Fit on the goggles



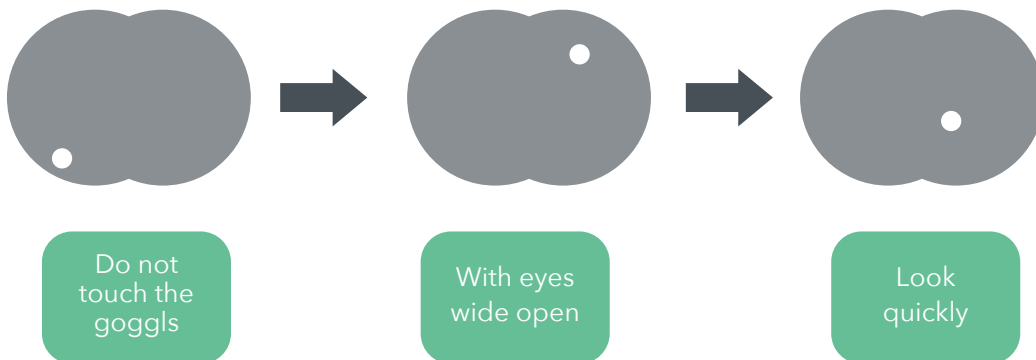
2 The green dot will move

Move your eyes to follow the dot



3 Various intensities of white dots are displayed.

Look carefully at each of them.



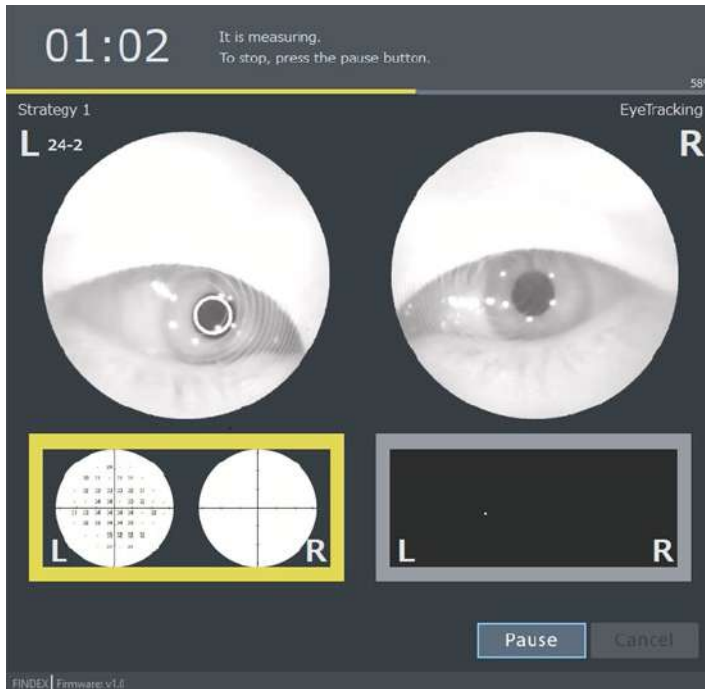
Hand switch measurement is recommended in the following cases:

- Patients with severe ptosis, a known central scotoma, and ocular motility disorders.
- Patients who fail during the calibration stage.
- Patients who fail during measurement with eye tracking mode. (Measurement can continue by changing to Hand switch mode)



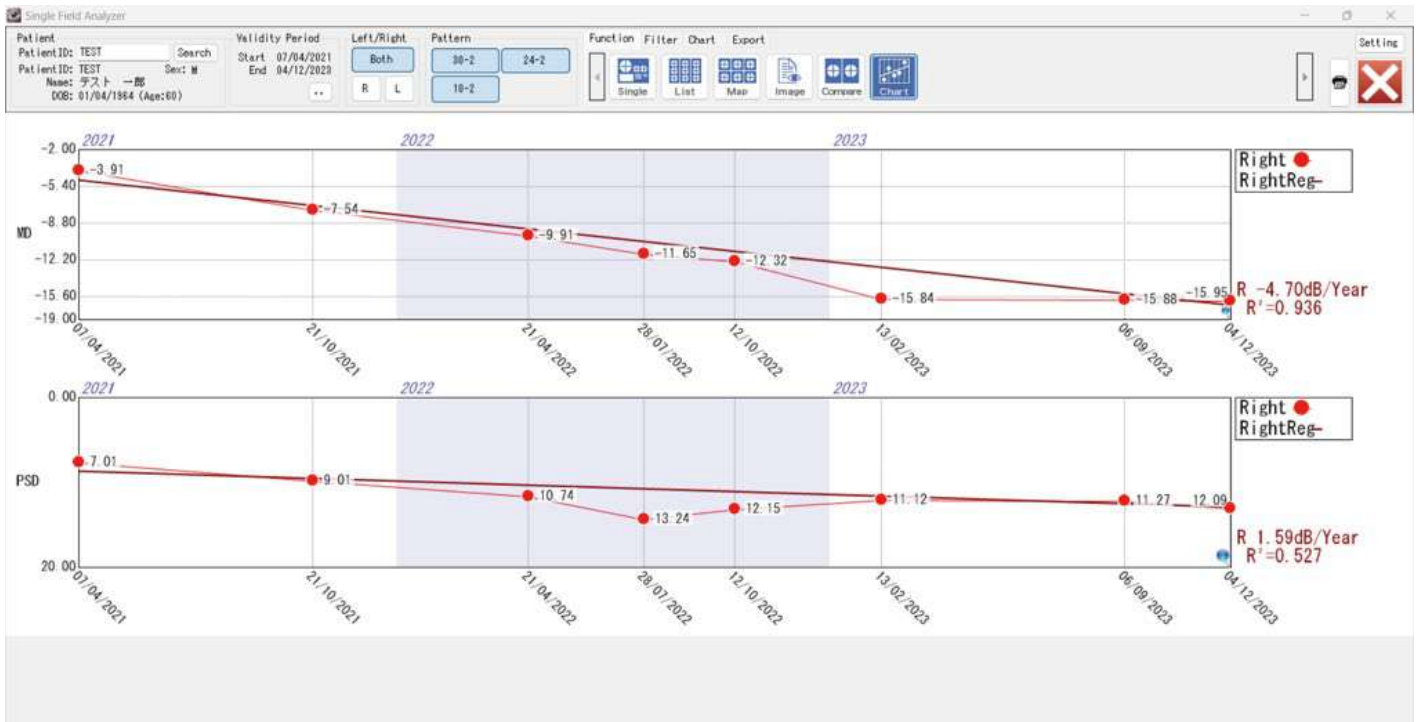
User-Friendly Graphical Interface

The FIELDNavigator boasts an intuitive GUI, ensuring a simple and comfortable visual field examination experience. A yellow percentage bar located beneath the examination duration indicates the progress of the test.



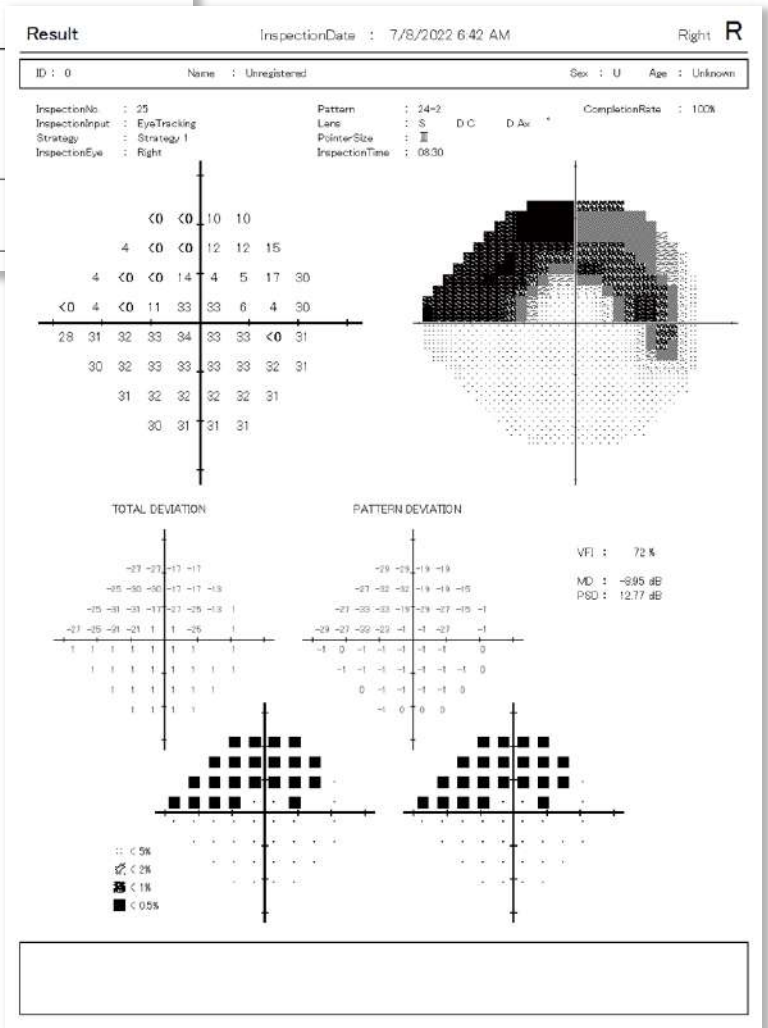
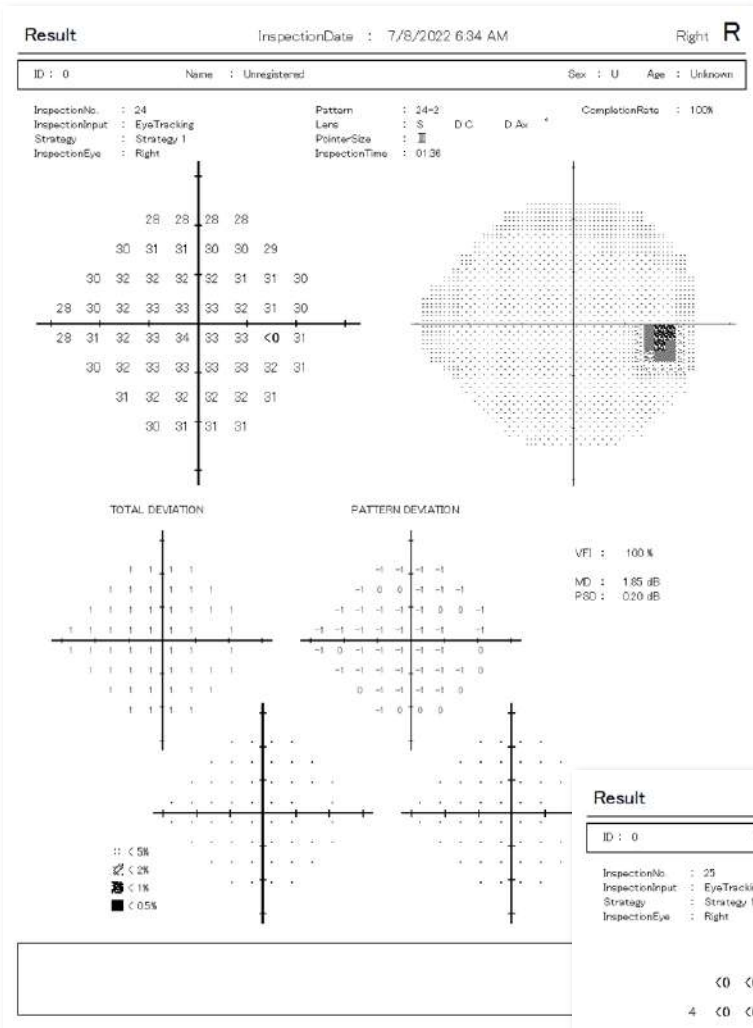
Perimetry Results Displayed on PC Software

The FieldNavigator comes equipped with C-Peri software, allowing for the viewing and analysis of perimetry results in diverse formats, facilitating thorough examination and patient follow-up.



Alignment with Industry Standards

The FIELDNavigator generates results that adhere to the industry-standard format making it easier for clinicians to compare and follow-up results from other perimeters in the market.



Compatibility study

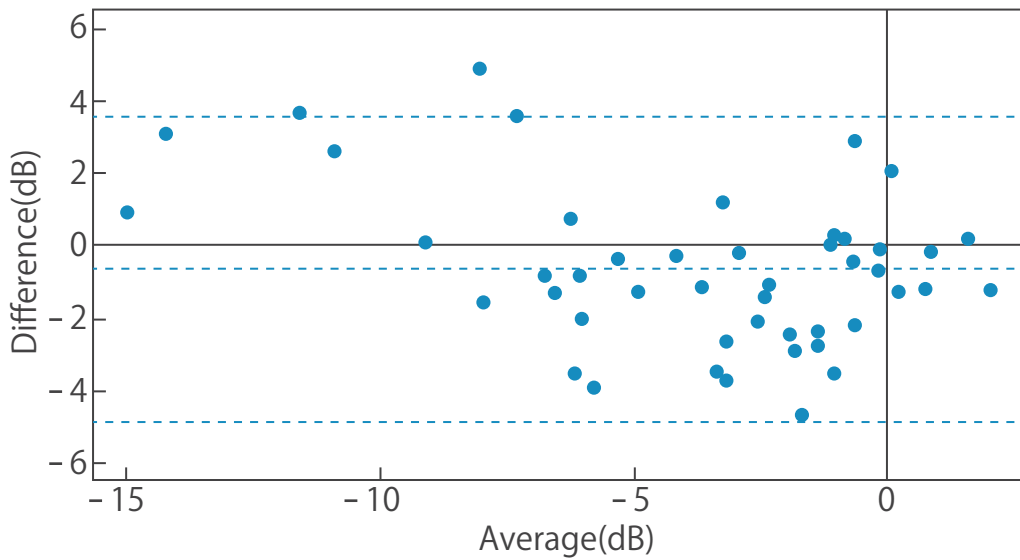
FIELDNavigator boasts impressive technical specifications, including a lightweight head-mounted display, adjustable spherical and cylindrical powers, and high-speed eye tracking capabilities. Preliminary studies have demonstrated its comparable performance to conventional perimeter, with strong correlations in mean deviation (MD) and sensitivity.



Data from conventional perimeter



Data from FIELDNavigator



Courtesy of Dr. Masahiro Miyake, School of Medicine and Faculty of Medicine, Kyoto University

Threshold test (Sensitivity measurement)		30-2,24-2,10-2
Dark-spot detection test (Screening)		30-2,24-2,10-2
Color of visual indicator		R (0 ~ 255), G (0 ~ 255), B (0 ~ 255)
Color of goggles background		R (0 ~ 255), G (0 ~ 255), B (0 ~ 255)
Size of visual indicator		Goldman II-V
Classification (Form of protection against electric shock)		Class I equipment
Degree of protection against electric shock		B type
Compliance with Electromagnetic interference Standards		EMD standard IEC60601-1-2:2014 + A1:2020
Power	Power Voltage	DC5V/3A(Maximum)/15w(Maximum)
	Power Consumption	15W(Maximum)
Size	Weight(Goggle portion)	0.54kg
	Dimensions (Goggle portion)	201mm(W) × 148mm(D) × 122mm(H) (Excluding Headband and Cables)
PC Interface		USB Type-C (DisplayPort Alt Mode)*1, USB Type-A*1 or more
OS		Windows 10 (64bit) and higher

Included Items

- Trial Lens
- Lens holder (PD values:64)
- Hand switch
- Relay Box
- Face cushion (spare)
- Nose Cover (spare)
- Hand switch (spare)
- Spacer for face cushion
- CD (Device Specific Difference File)



Design and specifications are subject to change without notice.

Manufacturer

Rexxam
Quality in vision care

Rexxam Co.,Ltd.
Kagawa factory
958 Ikeuchi, Konan-cho,
Takamatsu-shi, Kagawa-ken,
761-1494 Japan

Distributed by

Polyoftalmica
strumenti per l'oftalmologia
Via A. B. Sabin, 5/c - 43123 Parma (PR)
Tel. +39 0521 642126 - Fax +39 0521 643941
info@polynew.it - www.polyoftalmica.it

Proudly Made in Japan