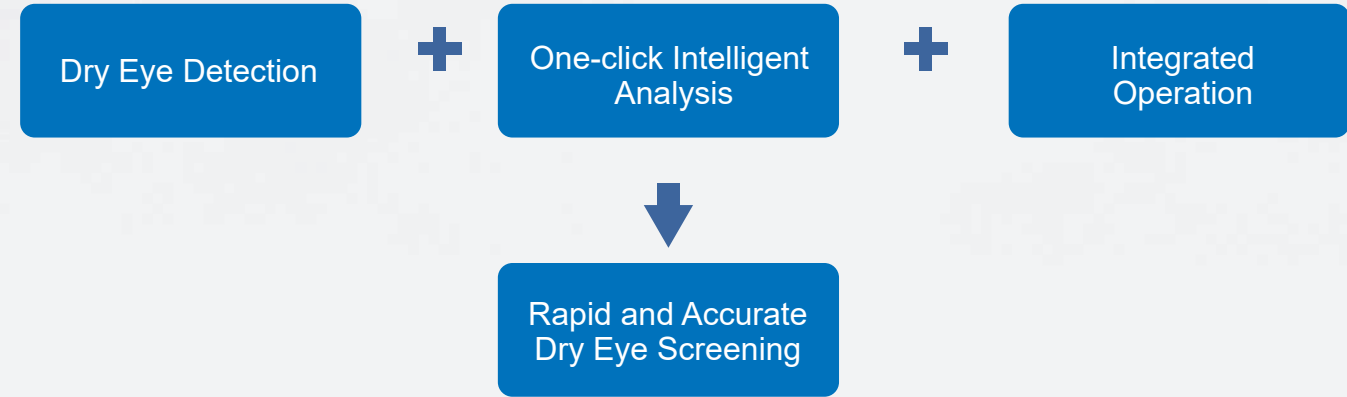


A One-Stop Intelligent Dry Eye Diagnosis System

Combining a dry eye diagnostic device with an intelligent diagnosis platform, RHDE-III offers integrated operations to provide precise and rapid solutions for the challenges of dry eye screening and diagnosis in outpatient settings.



- 11 Diagnostic Capabilities for Convenient and Efficient Diagnosis
- Tear Breakup Time
 - Tear Meniscus Height
 - Iris Diameter Measurement
 - Lipid Layer Analysis
 - Red Eye Analysis
 - Meibomian Gland Imaging
 - Blink Test
 - Lid Margin Evaluation
 - Inflammation Assessment
 - Ocular Surface Examination
 - Questionnaire Survey

Technical Specifications

Model	Dry Eye Diagnosis System RHDE-III	
Light Source	White LED , Infrared LED , Blue LED	
Clinical Functions		
Technologies	Infrared Imaging Technology, Placido Ring Technology, Fluorescent Staining Ocular Surface Inflammation Analysis Technology, Intelligent Dynamic Analysis Technology	
Data Acquisition Modes	Single Image , Multiple Images , Video Recording	
Image Resolution	≥25L/MM	



Dry Eye Diagnosis System RHDE-III



Key Features

- 11 Diagnostic Capabilities
- Convenient and efficient
- Integrated System
- Smart diagnostics
- Innovative Touchscreen
- All-in-one operation
- Rapid Screening
- Wireless transmission

Built-in System & Intelligent Diagnosis

The RHDE-III Dry Eye Diagnostic System is equipped with an internal intelligent dry eye diagnostic system. It completes testing in one step, providing more accurate and convenient analysis of the causes, allowing doctors to more effectively analyze and diagnose dry eye conditions. The cause analysis is more precise.

Innovative Touchscreen All-in-One Operation

The 13.3-inch innovative touchscreen all-in-one machine allows for more convenient and faster operation. The operating interface is integrated with the testing equipment, making the operation user-friendly and screening more convenient.

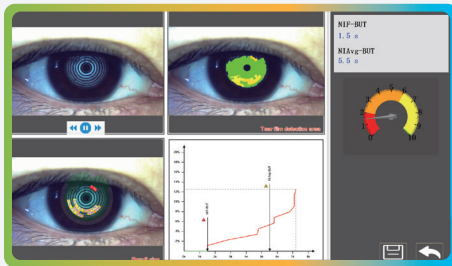


Intelligent Navigation, Completing The Required Tests in As Fast As 3 Minutes.

It features a rapid intelligent detection mode, allowing for one-click analysis and automatic report generation upon completion of the examination items. Wireless transmission is also supported.

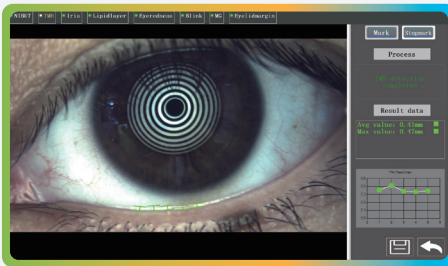


All-in-One Solution with 11 Diagnostic Capabilities



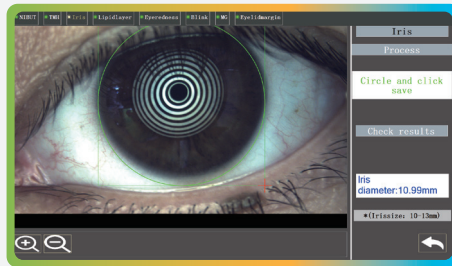
TEAR FILM BREAK-UP TIME

Using the Placido ring to project circular stripes on the surface of the eye, the position and timing of tear film break-up within 15 seconds are analyzed. This can display the first tear film break-up time and the average tear film break-up time.



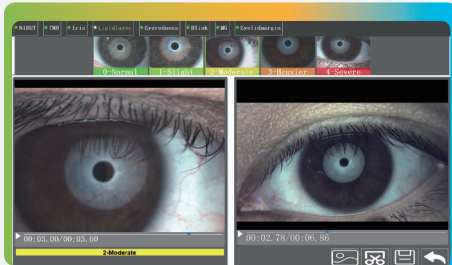
TEAR MENISCUS HEIGHT

The height of the tear meniscus is measured using captured images.



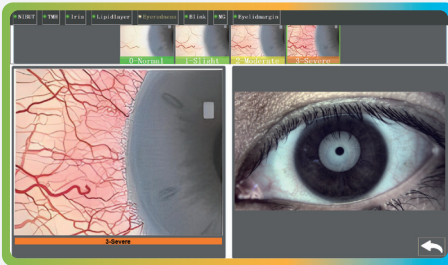
MEASUREMENT OF IRIS DIAMETER

The diameter of the iris is measured using captured images.



LIPID LAYER

The collected video images are automatically compared with a standard template to observe the condition of the lipid layer.



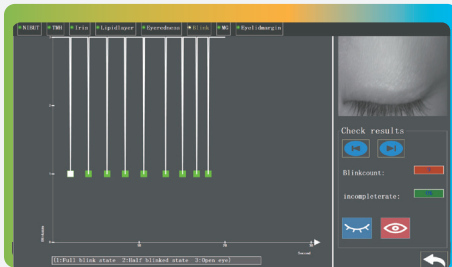
EYE REDNESS ANALYSIS

The collected images are automatically compared with a standard template to observe the condition of eye redness.



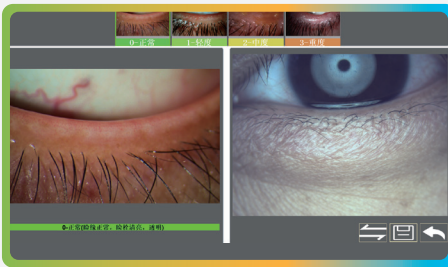
MEIBOMIAN GLAND IMAGING

By combining "2D imaging" with "3D stereoscopic simulation," the system automatically analyzes the meibomian gland loss rate and displays the percentage of gland loss.



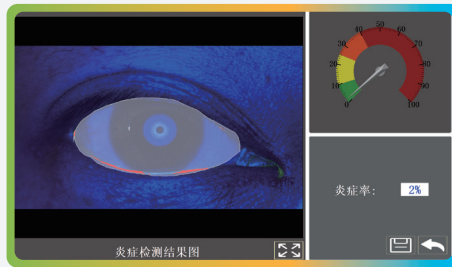
BLINK TEST

By recording the blink trend chart, the system quantitatively analyzes blink behavior, displaying the total number of blinks and the percentage of incomplete blinks.



LID MARGIN ASSESSMENT

By capturing images, the lid margin condition can be magnified for closer observation. The collected images are compared with a standard template, allowing for the selection of results that match the actual condition.



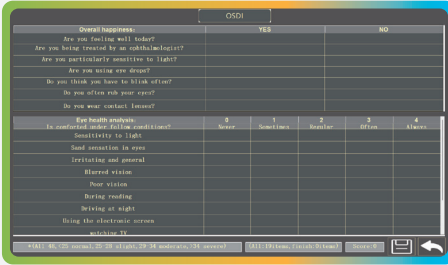
INFLAMMATION ASSESSMENT

Analyze the surface eye inflammation condition using the captured images, and display the percentage of eye surface inflammation.



SURFACE EYE OBSERVATION

Observe the eye surface using the captured images and describe the condition of the eye surface.

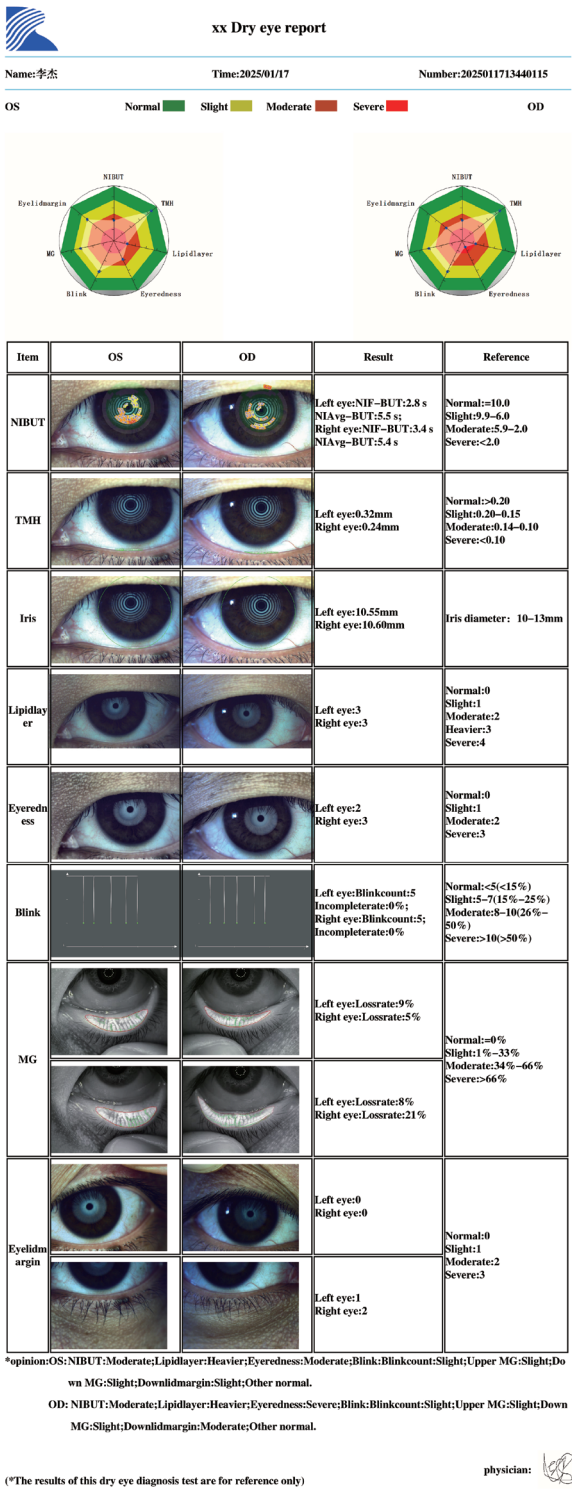


SURVEY QUESTIONNAIRE

The survey includes three types of questionnaires: the Chinese Dry Eye Questionnaire, the OSDI Dry Eye Questionnaire, and the SPEED Dry Eye Questionnaire.

Detection Report

Standard Version



Thermal Version

DRY EYE TEST REPORT

NAME: C11
TEST DATE: 2024/11/29
MEDICAL RECORD NUMBER: 2024112911505091

DIAGNOSIS AND FINDINGS

OS (LEFT EYE):

TEAR FILM BREAKUP TIME: 6.5 SECONDS (MILD)

LIPID LAYER: 3 (MODERATE TO SEVERE)

BLINK TEST:

BLINK COUNT: 10 TIMES (MILD)

REDNESS ANALYSIS: 2 (MODERATE)

OTHER OBSERVATIONS:

NO ABNORMALITIES DETECTED

OD (RIGHT EYE):

LIPID LAYER: 3 (MODERATE TO SEVERE)

BLINK TEST:

INCOMPLETE BLINK RATIO: 20% (MILD)

BLINK COUNT: 10 TIMES (MILD)

REDNESS ANALYSIS: 2 (MODERATE)

OTHER OBSERVATIONS:

NO ABNORMALITIES DETECTED