C.diag®

ULTRA SMART
POWERFUL IMAGING



LUMIBIRD®
MEDICAL

Diagnostic Platform

Dry Eye | Ocular Surface Diseases

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Dry Eye | Ocular Surface Diseases

YOUR PLATFORM ULTRA

PRECISE

HD auto focus camera integrating a unique optical module with liquid lens for fast & precise exams with an excellent image quality

TACTILE

Large HD tactile screen & joystick to simplify the exam

POWERFUL

- Powerful GPU card & computer
- High capacity of data management & data storage
- High performance AI algorithms
- Fast result analysis



VERSATILE

- Multiple light sources (white, infrared, blue), yellow filter & several cones to perform different dry eye exams
- Automatic exams to qualify and quantify dry eye disease
- Easily delegable



ERGONOMIC

- Rotating chinrest to fit to all face shapes
- Optimized cones to limit light reflections and shadows on the examined area
- Eyelid everter with transillumination for high quality meibography
- Comfortable light intensity for the patient
- Chinrest adaptor for children



INTUITIVE

- Customizable exam protocols
- Fast exams workflow
- Automatic and accurate analysis
- One-click results report

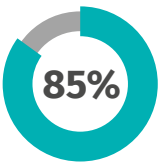


CONNECTED

DICOM
HDMI, Ethernet, USB ports
Wifi, Bluetooth
Remote service diagnostic

MEIBOGRAPHY

MEIBOMIAN GLAND DYSFUNCTION:

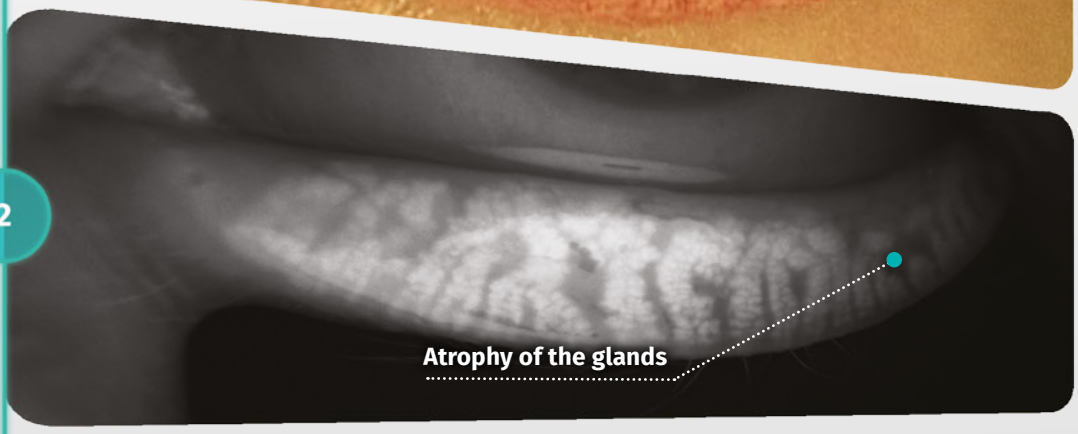


of **dry eye patients**

1

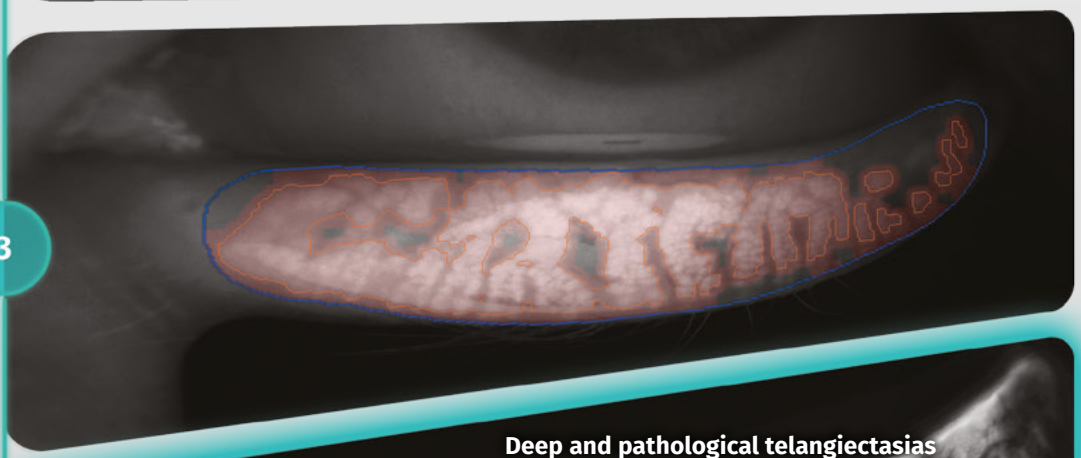
VASCULARIZATION

2



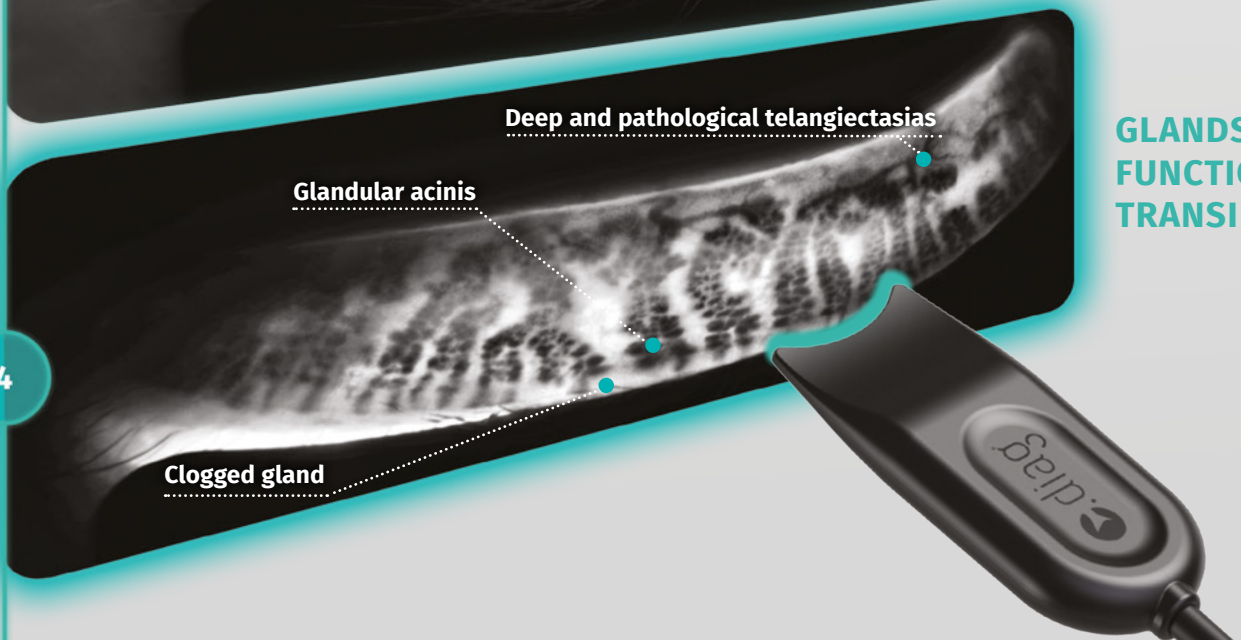
GLANDS OBSERVATION

3



GLANDS QUANTIFICATION

4



GLANDS FUNCTIONALITY IN TRANSILLUMINATION

AN AIDED DIAGNOSIS INTEGRATING
ARTIFICIAL INTELLIGENCE WITH RELIABLE
ALGORITHMS, BASED ON MORE THAN
A MILLION OF IMAGES AND
VALIDATED CLINICALLY BY EXPERTS

BLINKS

TEAR STABILITY

LIPID LAYER

TEAR MENISCUS

STANDARD AND TRANSILLUMINATION MEIBOGRAPHY

MORE EXAMS

Exams in **colors** and in **fluorescein, triage and symptoms questionnaires** (DEQ-5, OSDI©, SPEED™), **grading scales** (Efron, Oxford, Guillon)

COMPLETE DIAGNOSIS IN **PRE** AND **POST IPL TREATMENT**

3 CONFIGURATIONS AVAILABLE

C.diag®

TECHNICAL SPECIFICATIONS

Type	Optical imaging platform for ocular surface diagnosis
Image resolution	Up to 3088 x 2076 px
Acquisition mode	Photo or video
Light source	White LED, Blue LED, Infrared LED
Yellow filter	Yes
Focus	Automatic or manual
Exams	Tear stability, Blinks, Lipid Layer, Tear meniscus, Standard Meibography and Transillumination Meibography, Fluo Stability, Generic
Questionnaires	Triage (TFOS-DEWS II™), symptoms (OSDI©, SPEED™, DEQ-5)
Grading scales	Efron, Oxford, Guillon, Pult
DICOM	Import patient worklist
Connection	4 USB ports, 1 Ethernet port, 1 HDMI port, Wifi, Bluetooth
Screen	Color touch screen 15"
Computer	1 To SSD hard disk, Windows® 10 Enterprise
Eyelid everter	Standard Meibography and Transillumination Meibography
Temperature	15-30°C
Power supply	110/230 VAC, 50/60 Hz, 500 VA
Dimensions	Standard configuration: 500 mm (W) x 500 mm (H) x 500 mm (D) 19.68" (W) x 19.68" (H) x 19.68" (D) Configuration with secondary screen: 600 mm (W) x 500 mm (H) x 500 mm (D) 23.62" (W) x 19.68" (H) x 19.68" (D)
Weight	15 kg (33.07 lbs)
Accessories in option	Secondary screen for exam visualization by the patient (10.1"), examination table with keyboard drawer

1 **STANDARD CONFIGURATION**



2 **CONFIGURATION WITH SCREEN FOR EXAM VISUALIZATION BY THE PATIENT**

AND

3 **WITH DEDICATED EXAMINATION TABLE**



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Find out more about the products in the **DRY EYE range**

CE 0459

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