



**ULTRA SMART  
POWERFUL IMAGING**



**LUMIBIRD<sup>®</sup>**  
MEDICAL

Diagnostic Platform  
**Dry Eye | Ocular Surface Diseases**



# 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



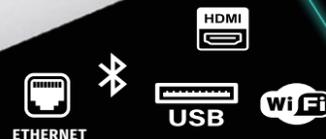
### INTUITIVE

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



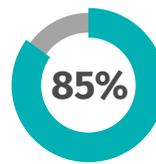
### CONNECTED

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



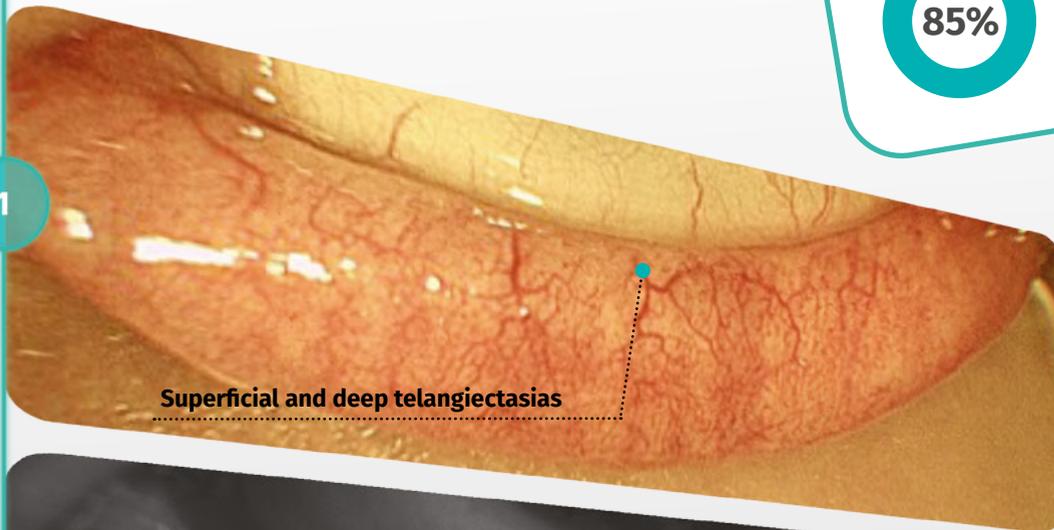
# MEIBOGRAPHY

MEIBOMIAN GLAND  
DYSFUNCTION:



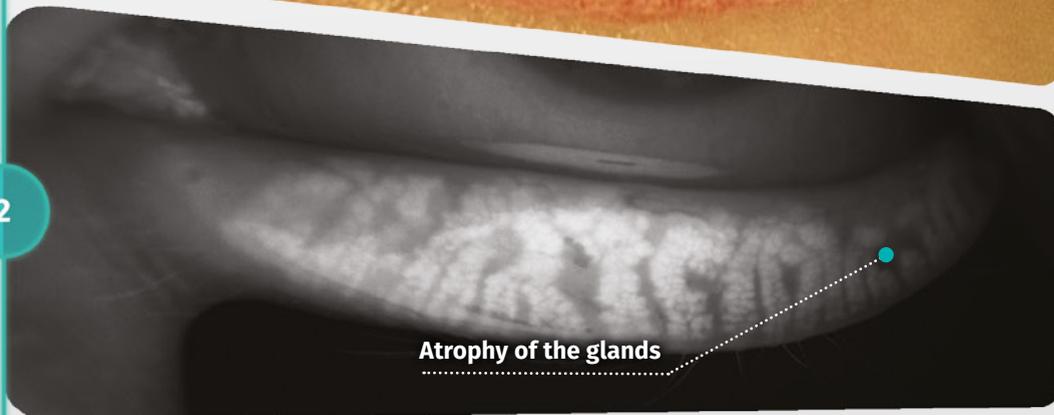
of dry eye patients

1



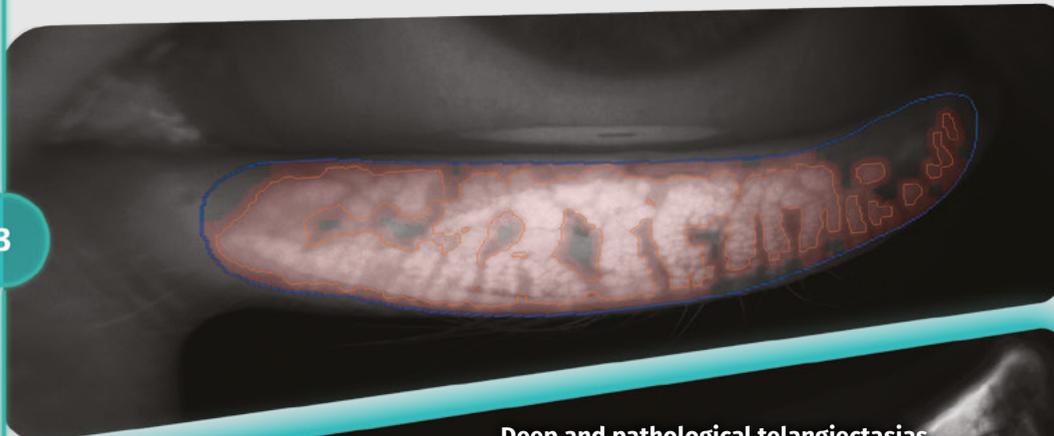
VASCULARIZATION

2

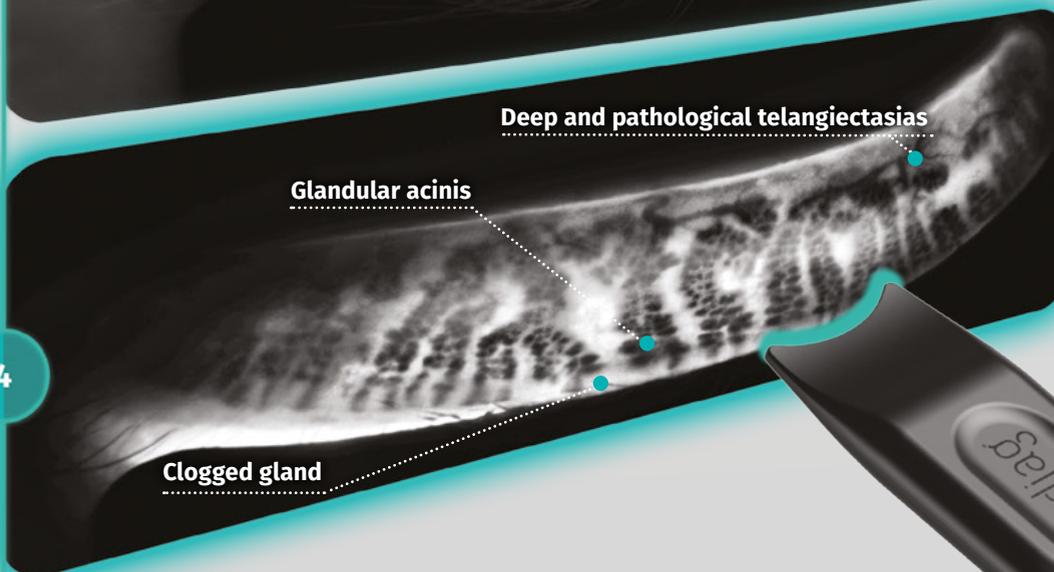


GLANDS  
OBSERVATION

3



4



GLANDS  
FUNCTIONALITY IN  
TRANSILLUMINATION



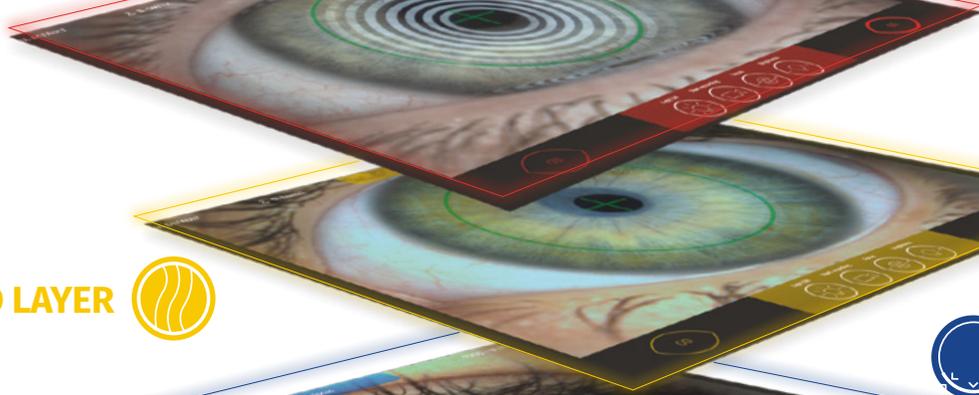
AN AIDED DIAGNOSIS INTEGRATING  
**ARTIFICIAL INTELLIGENCE** WITH RELIABLE  
**ALGORITHMS**, BASED ON MORE THAN  
**A MILLION OF IMAGES** AND  
**VALIDATED CLINICALLY** BY EXPERTS



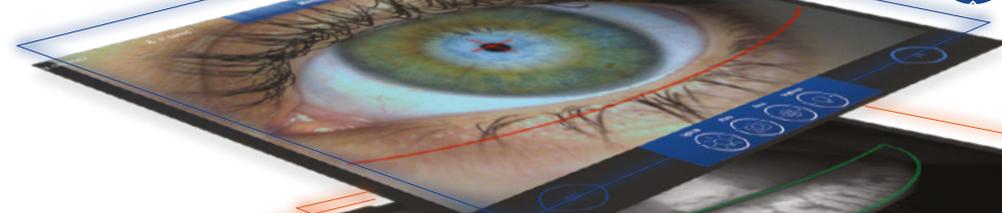
**TEAR  
STABILITY** 



**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

1 STANDARD CONFIGURATION



2 CONFIGURATION WITH SCREEN FOR EXAM VISUALIZATION BY THE PATIENT

AND

3 WITH DEDICATED EXAMINATION TABLE



## 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 evertor	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) Configuration with secondary screen: 600 mm (W) x 500 mm (H) x 500 mm (D)
Weight	15 kg
Accessories in option	Secondary screen for exam visualization by the patient (10.1"), examination table with keyboard drawer

Specifications are subject to change without notice. Non contractual pictures.  
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Find out more about the products in the DRY EYE range



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