MOPTIM

DRY EYE
G U Y S

Dry Eye Analyzer

DEA

DEA Dry Eye Analyzer

YOUR POCKET-SIZED DRY EYE SPECIALIST

DEA Dry Eye Analyzer, demonstrated on desktop holder (optional)

Dry eye disease (DED) has become a growing health problem worldwide. Millions of people worldwide are suffering from dry eye, and tumber is increasing year by year. Even though the symptoms may be mild at first, it is important to recognize them and make early treatment. Left untreated, dry eye would gets worse. It can also develop into other eye conditions like corneal abrasions and ulcers.

The **DEA Dry Eye Analyzer** by Moptim is an innovative device that performs complete examinations for dry eye with outstanding imaging capability. The compact design makes it easy to be integrated into any practice seamlessly.

Excellent Performance

- 8 mp high resolution camera
- Up to 8 mm NIBUT measurement range
- Comprehensive dry eye assessment
- Rich report templates

Easy-to-use

- Streamlined software workflow
- Possible to create a custom protocol
- Auto focus, auto exposure
- Wireless camera shutter, can be fixed on the joystick of a slit lamp

Compact and Flexible

- Possible to be attached on majority of slit lamps
- Can be used either on desktop or handheld
- Take along anywhere in a briefcase

FUNCTIONS

DEA provides complete dry eye tests according to the recommendation of **TFOS DEWS II** report.

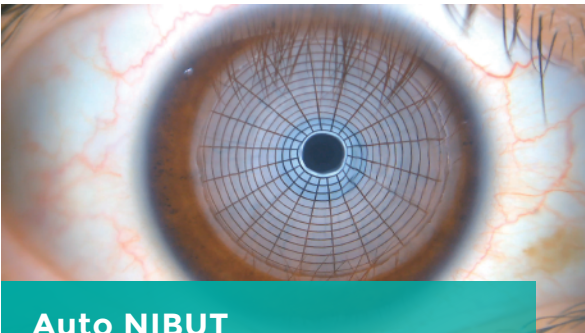| Symptomatic Evaluation	Diagnostic Tests	Subtype Classification	Extra Exams

- DEQ-5

- Break-up Time (FBUT, NIBUT)
- Corneal Staining

- Meibography
- Interferometry
- Tear Meniscus Height (TMH)
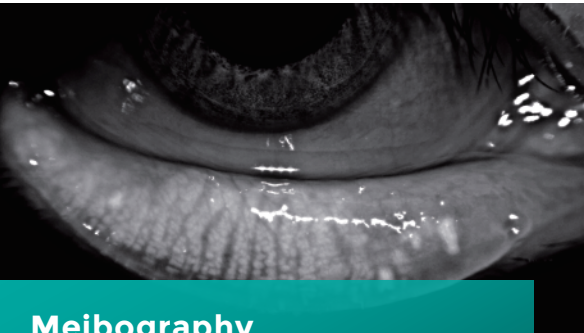
- Redness
- Eyelid Margin

Auto NIBUT
Automatically analyze break-up area, first and average break-up time for tear stability evaluation.
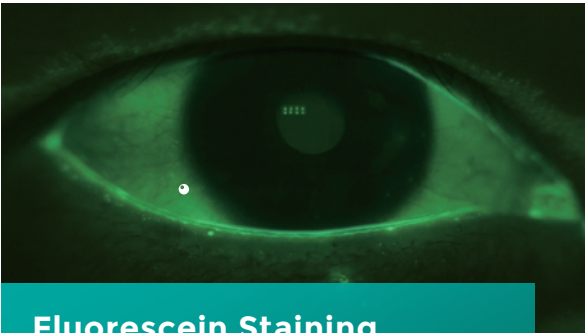

Interferometry
Record a video of blinking process to observe the surface reflection pattern and dynamics of the tear film.
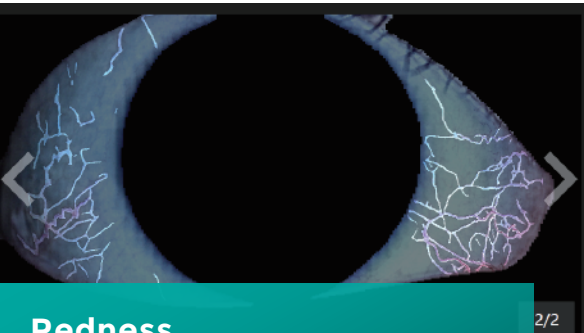

Automatic TMH
Provide an accurate and objective assessment of tear menuscus height based on high definition imaging.
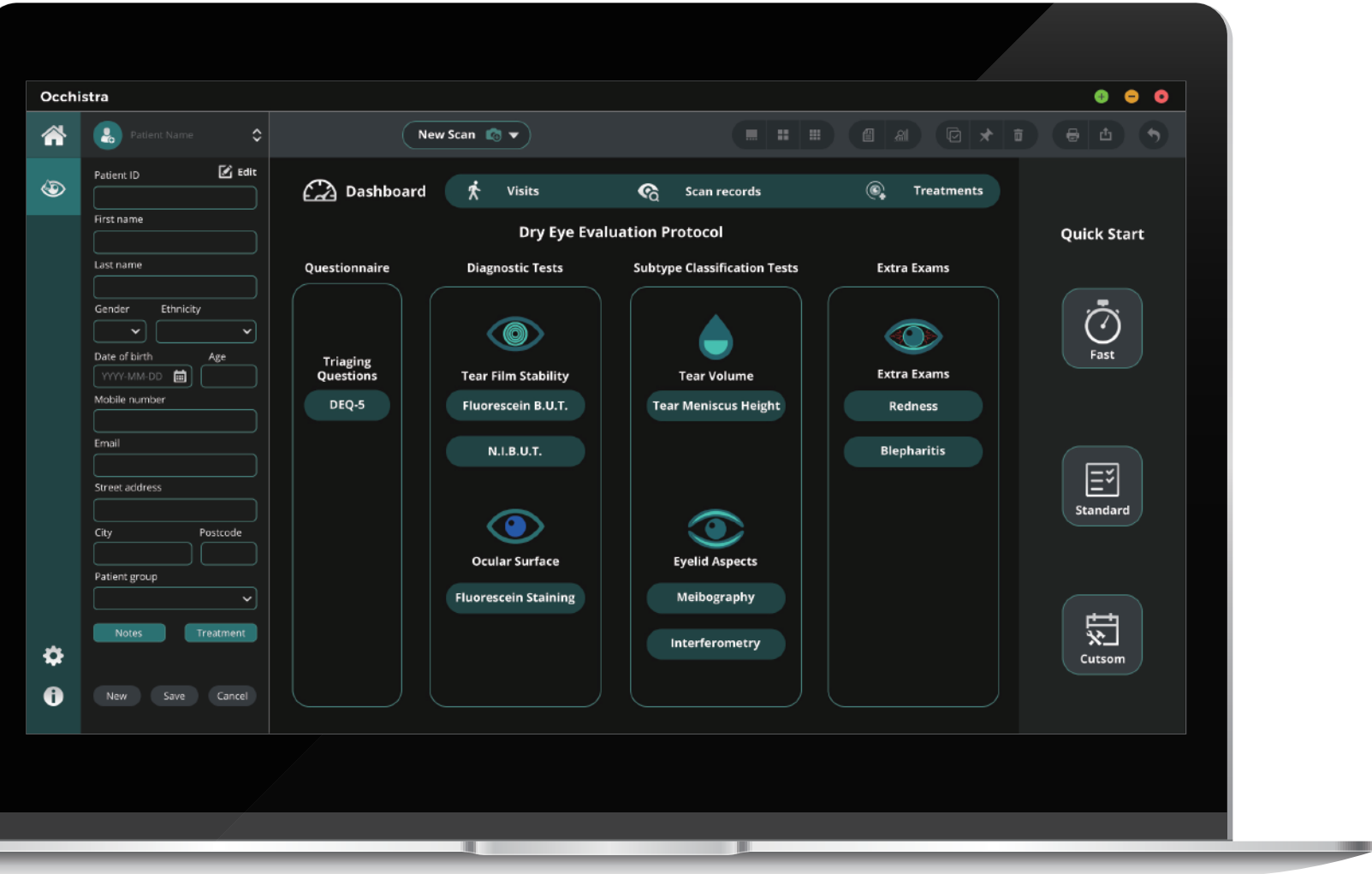

Meibography
Evaluate the meibomian glands with infrared light. The software provides automatic evaluation of loss area.

Fluorescein Staining
Evaluate the areas of damage on the ocular surface after application of the fluorescein dye.
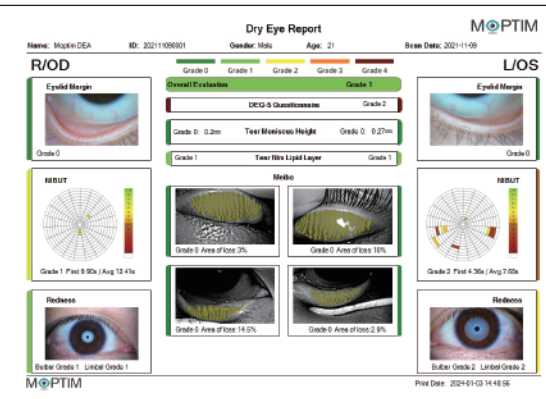

Redness
Automatic redness analysis uses software to identify eye vessels and auto-grades redness levels.
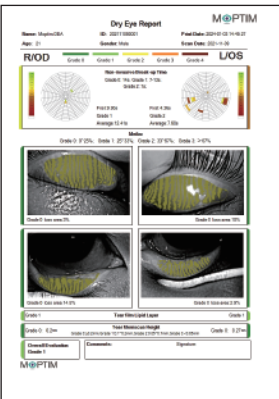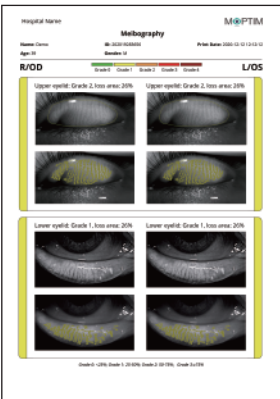
REPORT

The DEA software provides various single-page, colour-coded dry eye report layouts, which are easy to understand and interpret.

6-item Dry Eye Report

4-item Dry Eye Report

Binocular Report

THE SYSTEM

The product package includes: DEA, lenses, wireless camera shutter, slit lamp adaptors, meibomian gland evaluating tool, lens case, briefcase.

Slit lamp adaptors

DEA

Lens Set

Wireless camera shutter

Optionals

Desktop holder

$1,299

https://www.amazon.com/s?k=laptop+mount
Lap Top Mount

Portable holder

$999

SPECIFICATIONS

IMAGE AND VIDEO ACQUISITION

Image Resolution	8,000,000 pixels
Image Dimensions	3864 x 2218 pixels JPEG
Acquisition Mode	Multi-shot photos, video
Focus and Exposure	Manual and automatic
Covering Area	Maximum 8 mm
Camera	Colored, sensitive to infrared
Light Source	Infrared LED, Blue and white LED

GENERAL INFORMATION

Working Distance	5 mm - 50 mm
Ports	USB 3.0
Power Supply	5 V
Dimension	170mm (H) x 54mm (W) x x 64~110mm (L)
Weight	427g (including main body, 4 lenses and 1 wireless camera shutter)
Accessories	Standard: wireless camera shutter, lenses, briefcase, lens case, slit lamp adapter Optional: desktop holder, portable holder

SOFTWARE AND DATA MANAGEMENT

Operating System	Windows 10 64 bit
System Requirement	Intel core i3, RAM 8GB, hard disk 200G, screen resolution: 1920*1080
Exams	DEQ-5, fluorescein staining, NIBUT, FBUT, interferometry, meibography, tear meniscus height, redness, eyelid margin
Incorporated Grading Scales	Efron Grading Scales

*Specifications are subject to change due to product improvement.

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CE

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