NEXT GENERATION FUNDUS CAMERA

RETINA 800
PLUG AND PLAY
RETINAL IMAGING SYSTEM
Innovative and unique optical design providing fast, high-quality image capture with minimal operator training

STREAMLINE RETINAL SCREENING IN YOUR PRACTICE

NEXT-GENERATION AUTOMATED FUNDUS CAMERA

Innovative and unique optical design providing fast, high-quality image capture with minimal operator training

ROBOTIC HQ RETINAL IMAGING

Experience the benefits of a comprehensive retinopathy screening solution for improved patient management along with expert diagnostics and reporting.

- Fully-automated: uses auto focus and auto capture without human or mechanical intervention
- Fast imaging: captures 45° field-of-view angle images in a few seconds at the press of a button

OPTIMAL IMAGE QUALITY AT YOUR FINGERTIPS

Retina™ 800 captures crystal clear images down to 2.5 mm small pupil size, even for patients with opacities.

- Clear and true color: vessels, veins, arteries, crossing vessels, RNFLs, and optic disc clearly captured in true color
- 90° Mosaic imaging made easy: peripheral internal fixation target accessible from the tablet screen

INNOVATIVE AND UNIQUE OPTICAL DESIGN

The unique and patented optical module of Retina 800 provides comfortable positioning and optimized image acquisition.

- Forehead design without a chinrest helps minimize lateral lights for optimal acquisition.
- Comfortable positioning allows patient to talk freely without moving their eyes.
Optimized workflow with a friendly user interface helps eye care professionals easily screen patients and opens doors to remote diagnostic or digitally-assisted evaluation.

**EFFICIENT RETINAL PATHOLOGIES SCREENING**

Task Delegation Solution for All Practice Setups

Designed for efficient digital image transmission:
- Multilevel account access by personal user: records and summarizes the patient results and allows analysis elsewhere in the practice by direct connection to a DICOM server
- Remote diagnostic and teleconsultation: secured data transmission for remote analysis by a licensed specialist or artificial intelligence software
- Automatic PDF patient report generated with practitioner notes and pathology education content

**TELEMEDICINE COMPLIANT**

STEP 1
Patient visits an eye care professional.

STEP 2
Retina 800 automatically captures retinal photos. No dilation is required.

STEP 3
Data are uploaded onto a secured cloud-based server.

STEP 4
Licensed specialist* evaluates and interprets the results.

*Licensed specialists and/or central reading centers are country-specific.
SPECIFICATIONS

HARDWARE SPECIFICATIONS

- Auto shoot and auto focus
- Field of view: 45°
- Mosaic field: up to 90° horizontal
- Retinal resolution: 14µ
- Minimum pupil size: 2.5mm
- Resolution: 5 MP (2448 x 2051)
- Fixation: 7 internal fixation points

SOFTWARE SPECIFICATIONS

- Red-free filter
- Deep-layer filter
- Automatic mosaic function
- Cup-to-disc ratio
- Shared folder
- Compatible with a standard DICOM
- A.I. ready: compatible with Essibox

FUNCTIONS

- 45° up to 90°
- Fully-automatic
- 2.5 mm
- Internal fixation points
- Cup-to-disc
- 5 MP photo

RETINA™ 800

- Tablet dimensions: 10.4 in
- Dimensions: D16.9 x W13.4 x H18.1 in
- Weight: 20 lb

As improvements are made, these specifications are not contractually-binding and may be modified without prior notice. Retina™ 800 and Essibox® are trademarks of Essilor International.