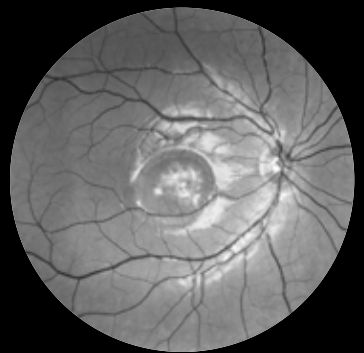
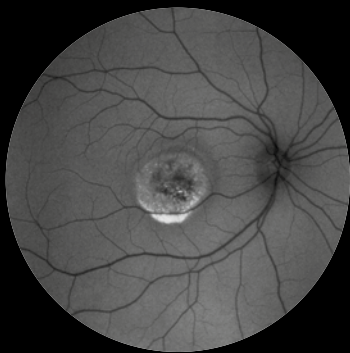


# eidon Af



Eidon Image of Retinal Metabolism

## The importance of Autofluorescence Imaging in Clinical Practice

Fundus Autofluorescence (FAF) imaging is a non-invasive technique which provides information on retinal metabolism and health, through showing changes in the integrity of the Retinal Pigment Epithelial (RPE) layer. FAF imaging may help to understand metabolic alterations of the RPE in the pathogenesis of several retinal disorders.

### Autofluorescence Key Principles

FAF provides clinically useful information by taking an image based on the distribution pattern of fluorescent pigments accumulating in the RPE, such as lipofuscin:

- RPE dysfunction: lipofuscin accumulation increases FAF signal (bright areas)
- RPE or photoreceptor death: lipofuscin absence decreases FAF signal (dark areas)



Eidon Autofluorescence image of Stargardt Disease



Eidon AF represents the natural evolution of Eidon TrueColor Confocal Scanner, including all its features and functionalities, preserving its unsurpassed quality of image, and adding autofluorescence imaging capabilities.

### Eidon AF Autofluorescence Imaging

#### FEATURES

#### BENEFITS

Confocality based on scanning line



Provides higher contrast than non confocal systems

The highest pixel resolution for a confocal system



High details and contrast in the same device

60° auto-fluorescence image captured with a single flash of light



High fidelity without image averaging and improved patient comfort

Wide field up to 110° autofluorescence images with the Mosaic function



Provides a panoramic view of the retinal autofluorescence

Fully automatic operation



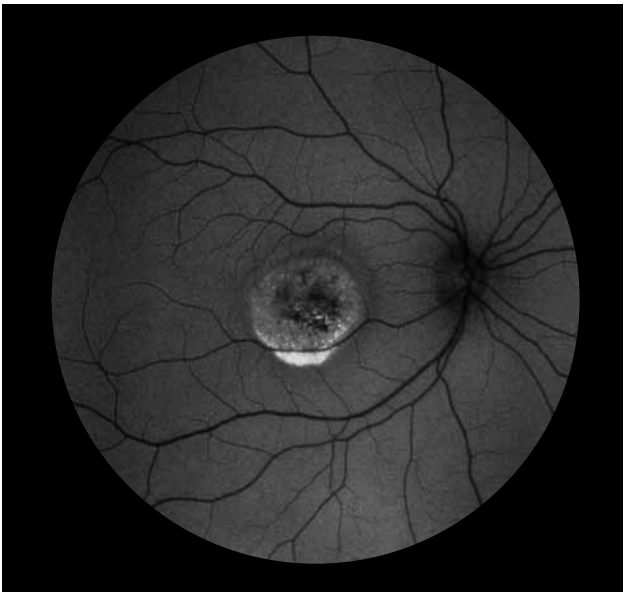
Ease of use, enhanced consistency in focus

# Autofluorescence Modality

## Based on Eidon Technology

Eidon AF with Autofluorescence capability is now an extraordinary tool for obtaining multiple types of high-value information from multiple imaging modalities:

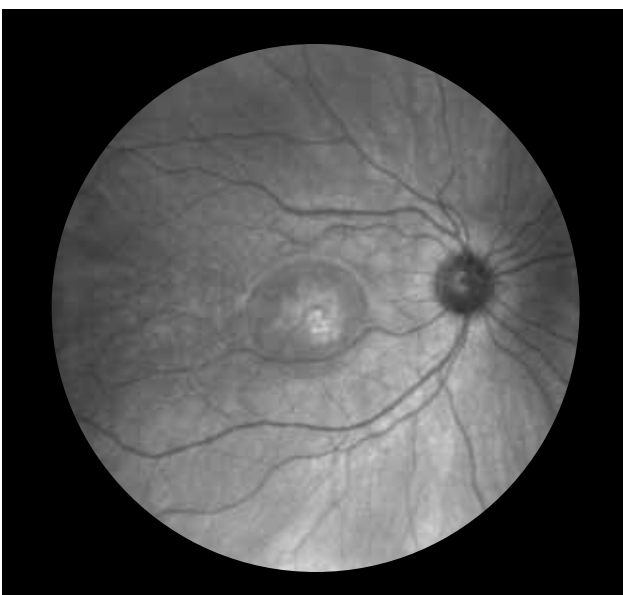
- White illumination is able to provide high-quality TrueColor imaging
- Red-free is useful to enhance the detail of the retinal vasculature and retinal nerve fiber layer
- Infrared light provides information corresponding to the choroid
- Autofluorescence allows the assessment of the Retinal Pigment Epithelial (RPE) layer



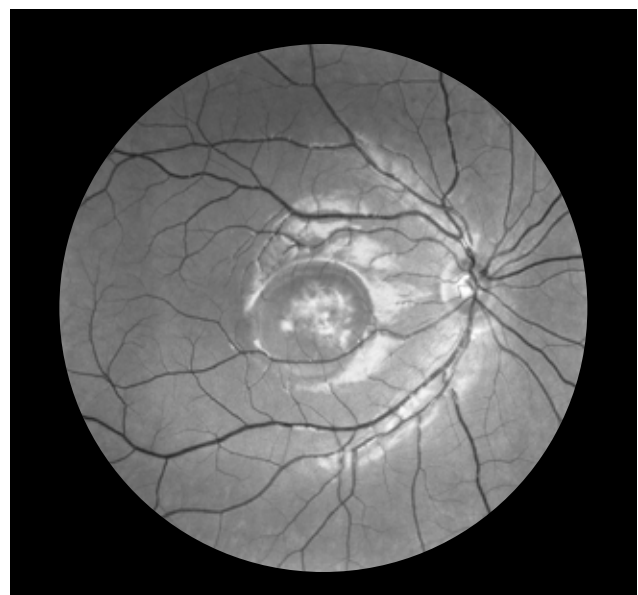
Eidon Autofluorescence Image of Best Disease



Eidon TrueColor Image of Best Disease



Eidon Infrared Image of Best Disease



Eidon Red Free Image of Best Disease

## Technical specifications\*

### Class and type of applied part

1, B (according to EN 60601-1).

### IP classification:

IPX0 (according to the degree of protection provided by the enclosure with respect to harmful penetration of particulate matter or water).

### Image acquisition:

- Non-mydratic (minimum pupil size 2.5 mm)
- Field of individual image: 60° (H) x 55° (V) captured in a single exposure
- Sensor resolution: 14 Mpixel (4608x3288)
- Light source: near infrared (825-870 nm), blue (440-475 nm) and white (440-650 nm)
- Working distance: 28 mm
- Resolution: 60 pixels/deg
- Resolution on retina: 15 microns
- Pixel pitch: 4.9 µm

### Other features:

- Imaging modalities: color, IR, red-free, autofluorescence
- Automatic operation: auto-alignment, auto-focus, auto-exposure, auto-capture

- Auto-focusing adjustment range: -12D to + 15D
- Dynamic, programmable internal fixation target
- Tablet operated, with multi-touch, color display
- Ethernet connection through device
- Hard disk: SSD, 256 GB

### Dimensions:

- Weight: 25 Kg
- Size: 620 X 590 X 360 mm

### Power supply:

- Power: 100-240 VAC, 50-60 Hz
- Consumption: 80 W

\* Specifications are subject to change without notice for improvement.

CE 0123

eidon Af

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