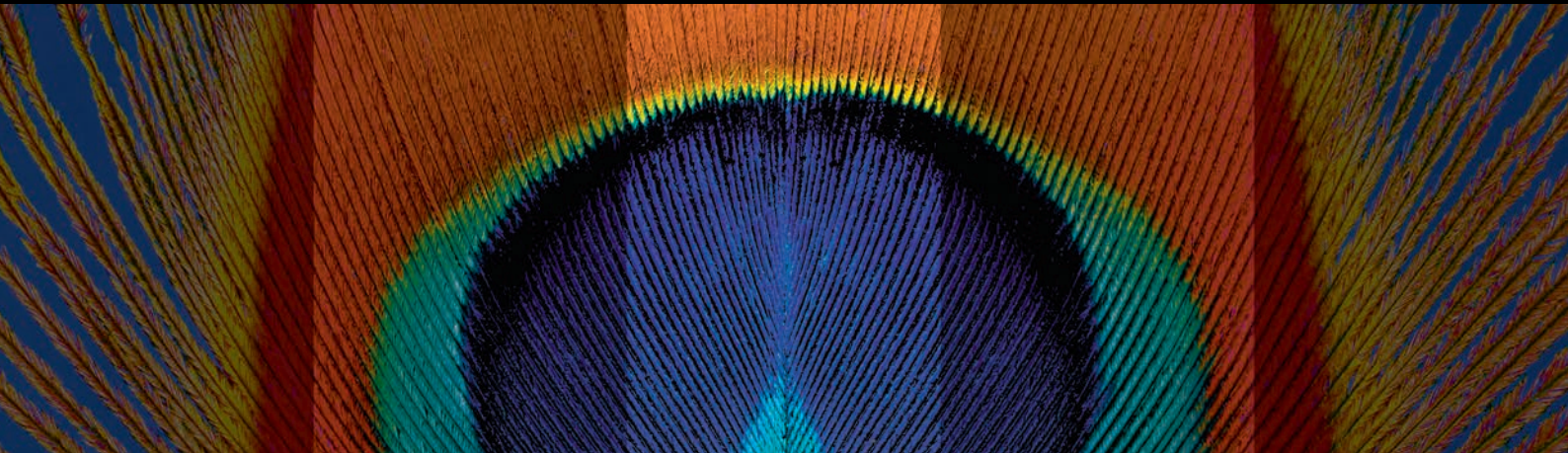


**Retina and Glaucoma
Imaging Platform**



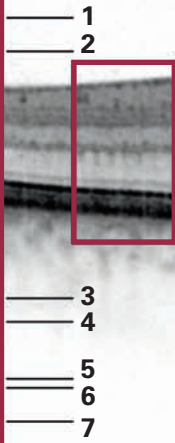
SPECTRALIS®

**HEIDELBERG
ENGINEERING**

Retina and Glaucoma Imaging Platform

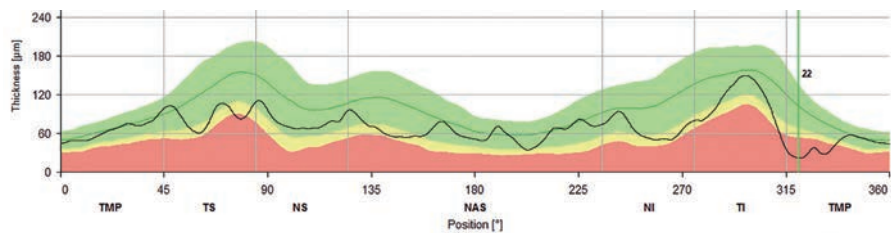
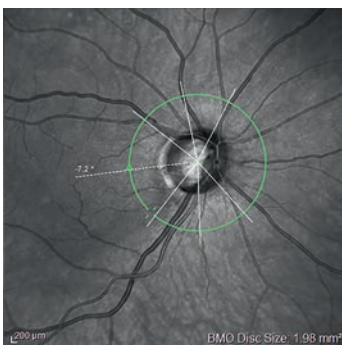
The SPECTRALIS® system is an expandable, multi-modal diagnostic imaging platform which combines scanning laser fundus imaging with high-resolution OCT. It is the only imaging system with the patented TruTrack Active Eye Tracking technology.

Retina



- | | |
|------------------------------|--------------------|
| 1 Nerve fiber layer | 5 RPE |
| 2 Ganglion cell layer | 6 Bruch's membrane |
| 3 External limiting membrane | 7 Choroid |
| 4 Photoreceptors | |

Glaucoma



Within normal limits
($p > 0.05$)

Borderline
($p < 0.05$)

Outside normal limits
($p < 0.01$)

Upgradable, modular design

The SPECTRALIS system is an ophthalmic imaging platform with an upgradable, modular design. This platform allows to configure each SPECTRALIS to the specific diagnostic workflow in the practice or clinic. Options include: OCT, multiple laser fundus imaging modalities, widefield and ultra-widefield modules, and scanning laser angiography.

	OCT SPECTRALIS	HFA+OCT SPECTRALIS	HFA SPECTRALIS
OCT	Retina	■	■
	Glaucoma	■	■
	Anterior Segment	option	option
	Nsite Analytics	option	option
	Glaucoma Module Premium Edition	option	option
	OCT2 Module (85,000 Hz)	option	option
Fundus	Infrared Reflectance	■	■
	BluePeak	option	■
	MultiColor	option	option
Widefield	Panning Camera	option	■
	Widefield Imaging (Fundus & OCT)	option	option
Angiography	Fluorescein Angiography		■
	ICG Angiography	option	option
	Ultra-Widefield Angiography	option	option
	OCT Angiography	option	option

Some options can be added anytime; some are only available at initial equipment purchase.

Based on exclusive core technologies

- **TruTrack Active Eye Tracking**
- **Simultaneous fundus and OCT imaging**
- **Heidelberg Noise Reduction**
- **Anatomic Positioning System**
- **AutoRescan**
- **Confocal Scanning Laser Ophthalmoscopy**

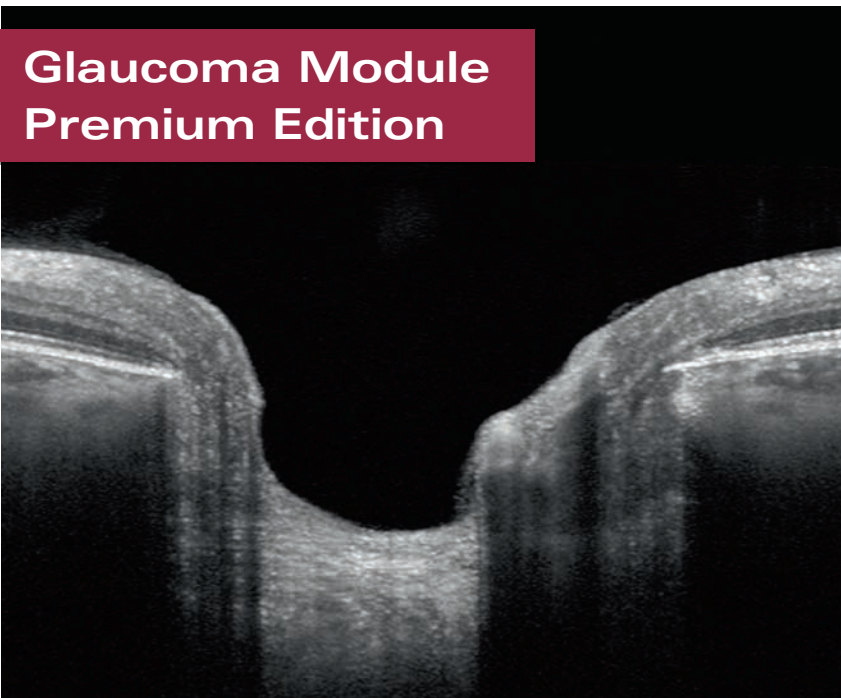
Anterior Segment Module



High-resolution anterior segment imaging

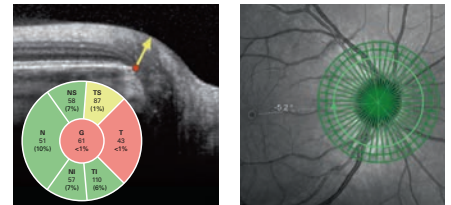
The Anterior Segment Module enables high-resolution OCT imaging of cornea, sclera, and anterior chamber angles.

Glaucoma Module Premium Edition

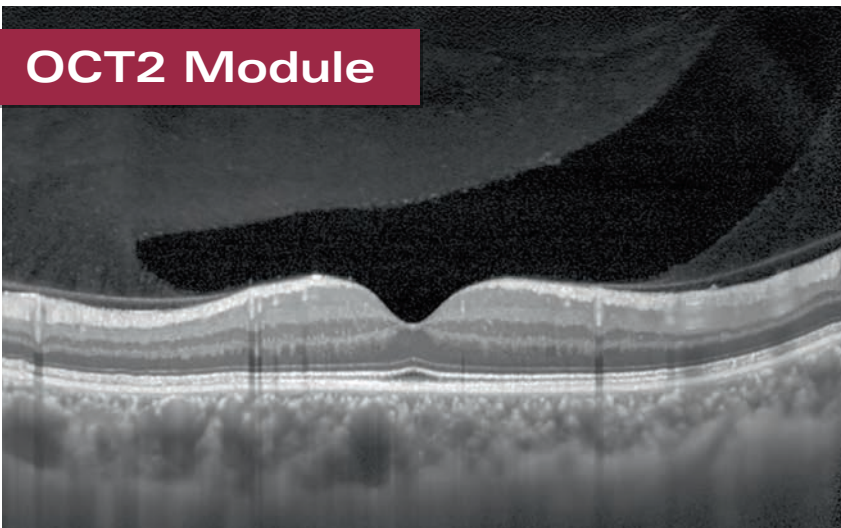


Next generation glaucoma diagnostics

The Glaucoma Module Premium Edition provides a comprehensive analysis of the optic nerve head, retinal nerve fiber layer, and ganglion cell layer by precisely matching unique scan patterns to the fine anatomic structures relevant in glaucoma diagnostics.



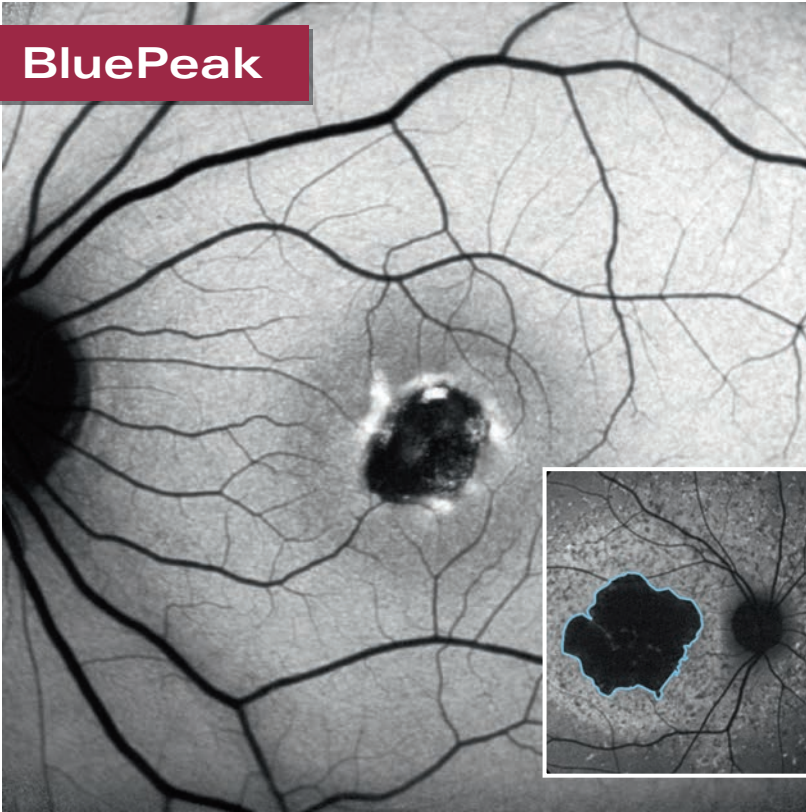
OCT2 Module



Next generation OCT module

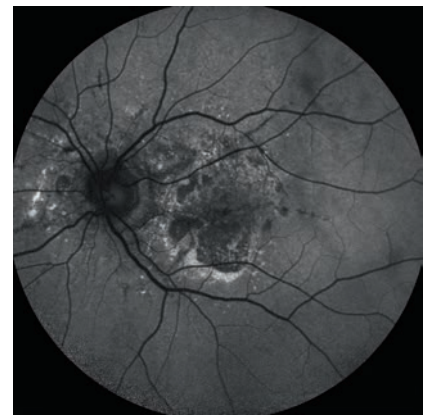
OCT2 is a next generation OCT module for the SPECTRALIS platform, offering enhanced image quality and the faster scan speed needed for advanced imaging technologies such as OCT angiography.

BluePeak



Blue Laser Autofluorescence

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

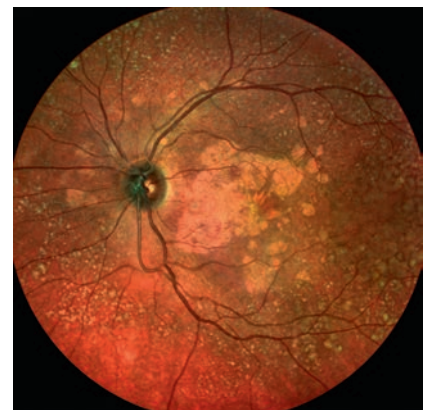


MultiColor

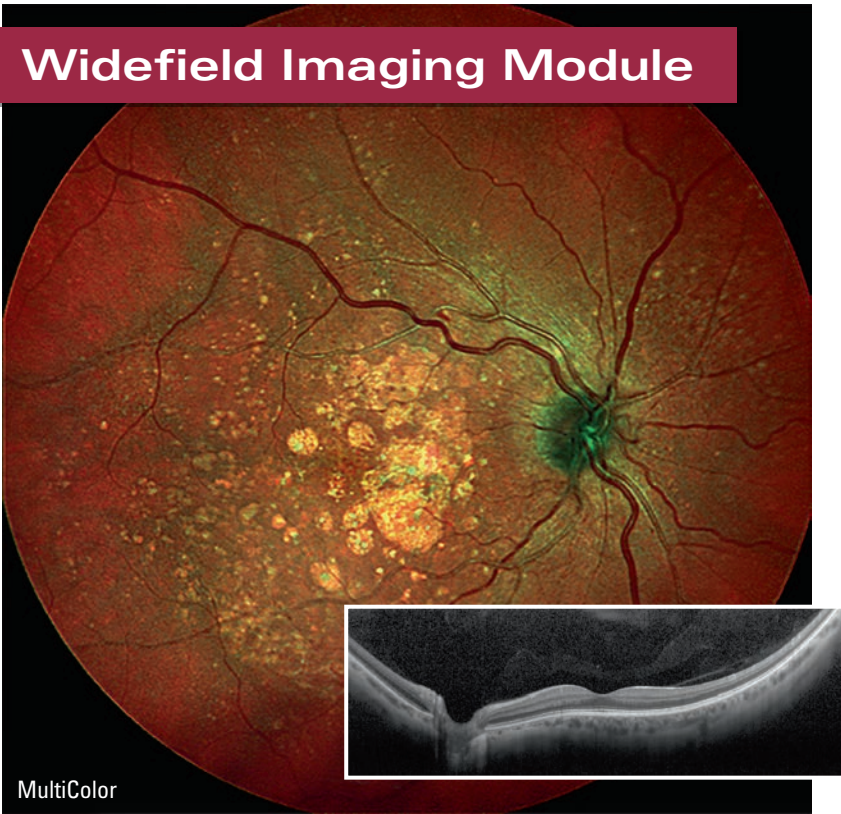


Scanning Laser Imaging

MultiColor is an innovative technology for fundus imaging offering image detail and clarity not available from traditional fundus photography.



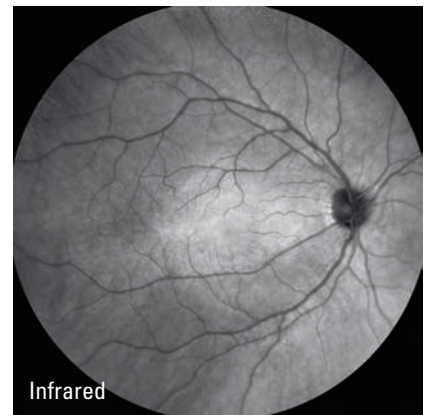
Widefield Imaging Module



MultiColor

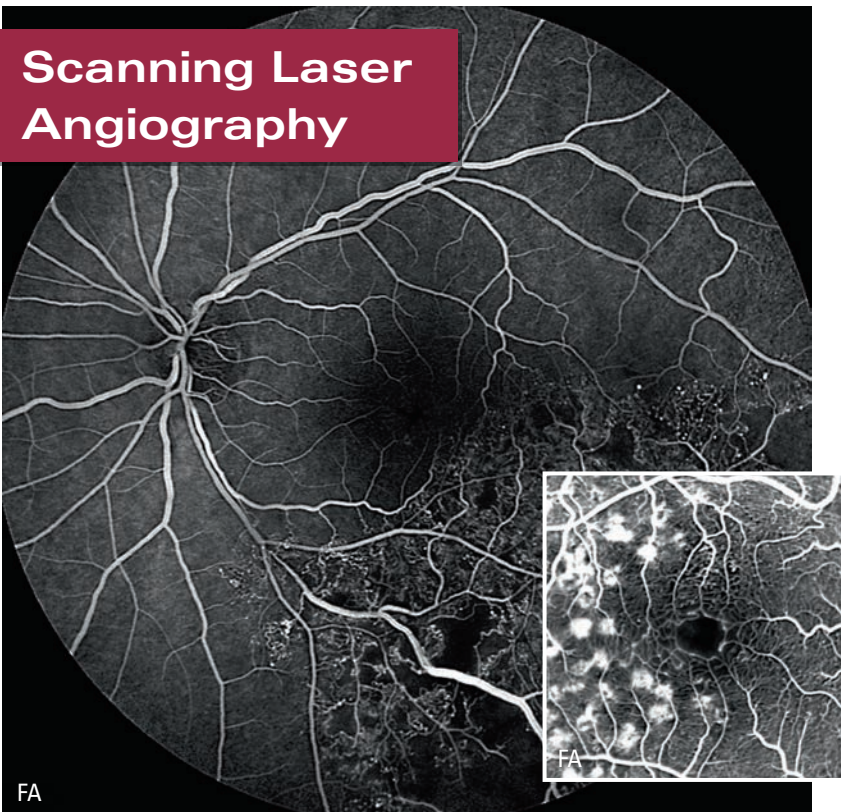
Widefield fundus and OCT

The Widefield Imaging Module provides the standard field of view of a mydriatic fundus camera for all SPECTRALIS fundus and OCT imaging modalities, simplifying diagnostic protocols and facilitating detection of peripheral pathology.



Infrared

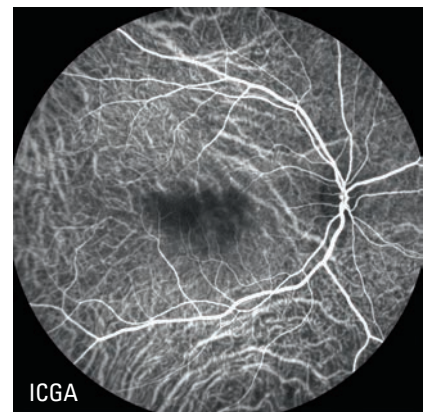
Scanning Laser Angiography



FA

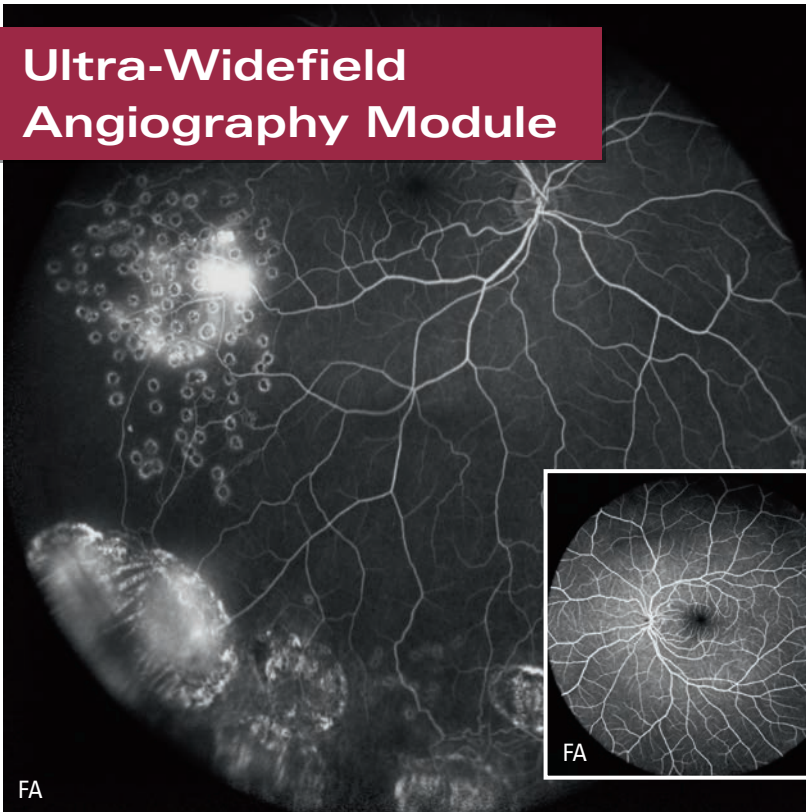
High-resolution images and videos

The SPECTRALIS scanning laser angiography provides high-resolution images and video sequences showing the dynamic movement of dye through the vessels and minute details of the parafoveal capillary network.



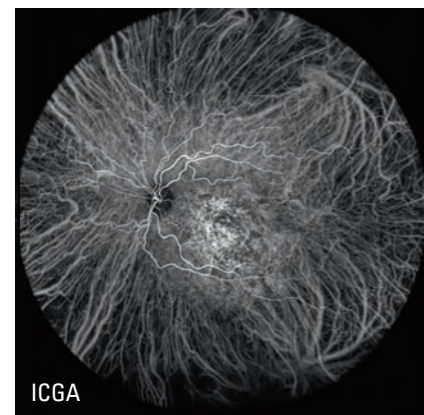
ICGA

Ultra-Widefield Angiography Module

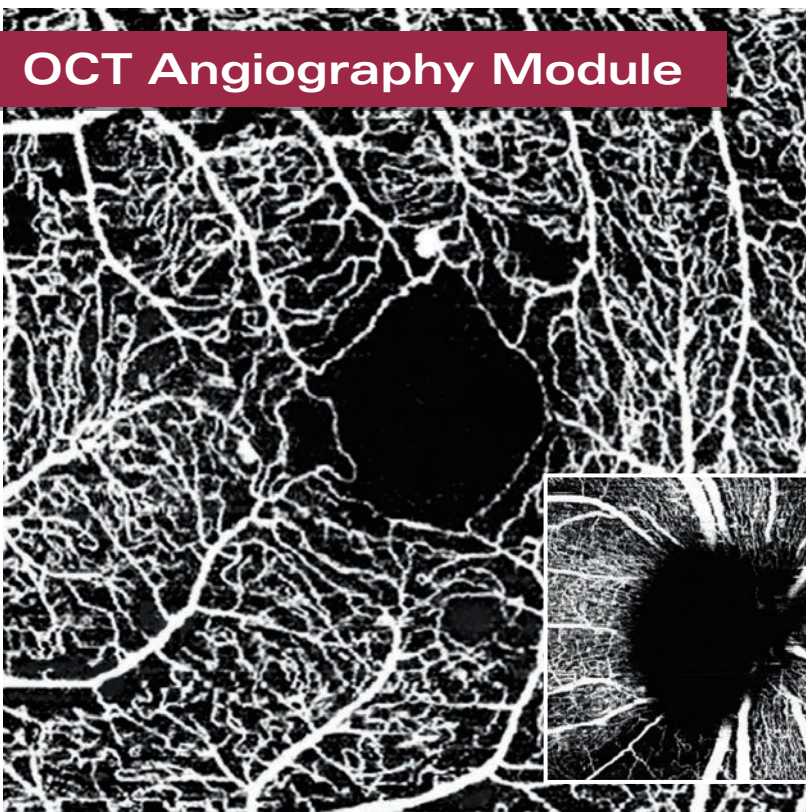


Angiography from the macula through the periphery

The Ultra-Widefield Angiography Module delivers evenly illuminated and undistorted, high-contrast scanning laser images from the macula through the periphery.

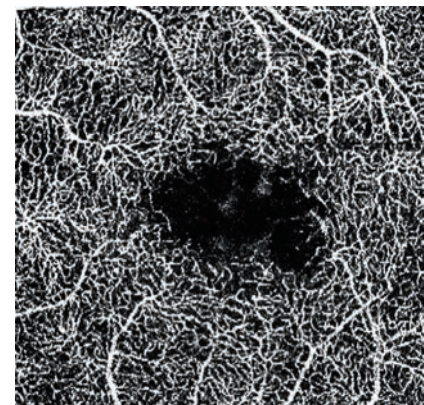


OCT Angiography Module



Non-invasive vascular imaging

The OCT Angiography Module non-invasively produces detailed three dimensional illustrations of the retinal and choroidal microvasculature.





Headquarters

Heidelberg Engineering GmbH · Max-Jarecki-Str. 8 · 69115 Heidelberg · Germany
Tel. +49 6221 64630 · Fax +49 6221 646362

AUS

Heidelberg Engineering PTY Ltd. · 404 Albert St. · East Melbourne 3002 · Victoria
Tel. +61 396 392 125 · Fax +61 396 392 127

CH

Heidelberg Engineering GmbH · Alte Winterthurerstrasse 88 · 8309 Nürensdorf
Tel. +41 44 8887 020 · Fax +41 44 8887 024

UK

Heidelberg Engineering Ltd. · 55 Marlowes · Hemel Hempstead · Hertfordshire HP1 1LE
Tel. +44 1442 502 330 · Fax +44 1442 242 386

www.HeidelbergEngineering.com