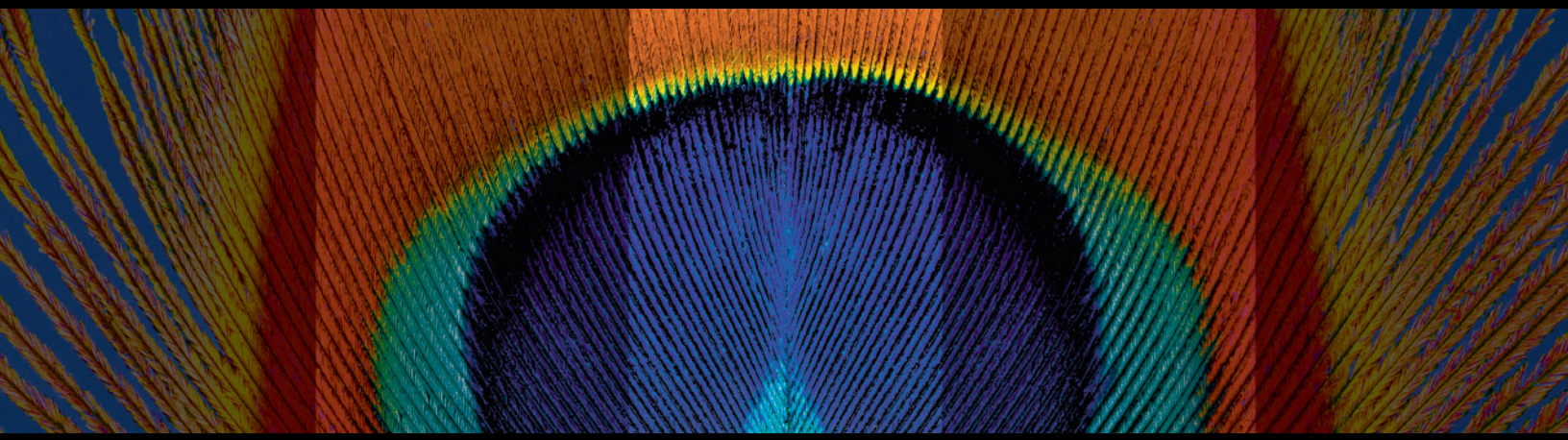
Retina and Glaucoma
Imaging Platform



SPECTRALIS®

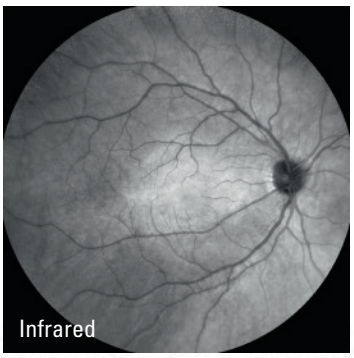
HEIDELBERG ENGINEERING

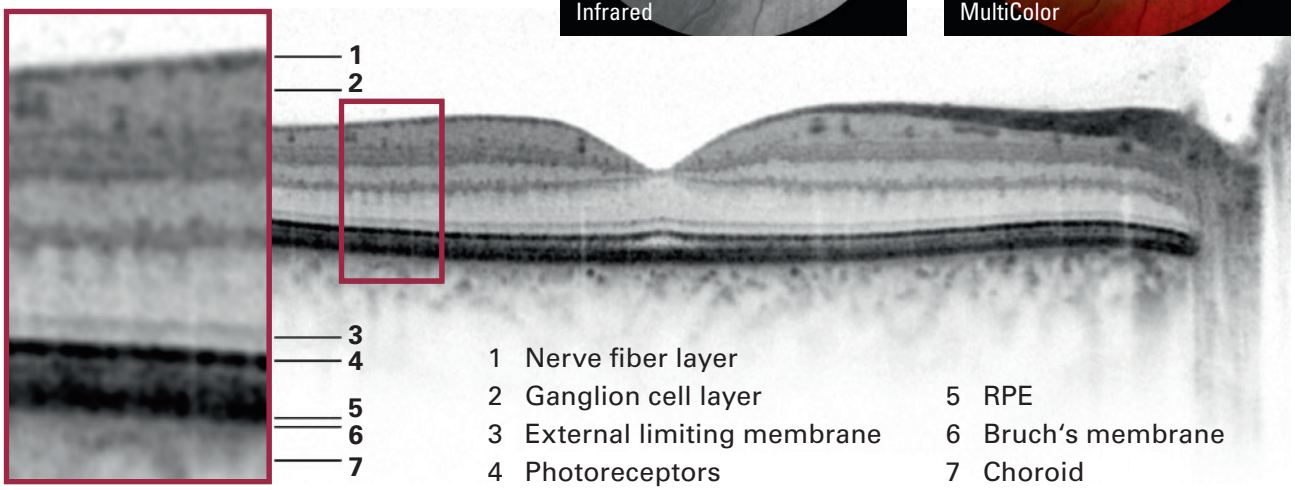
SPECTRALIS®

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.

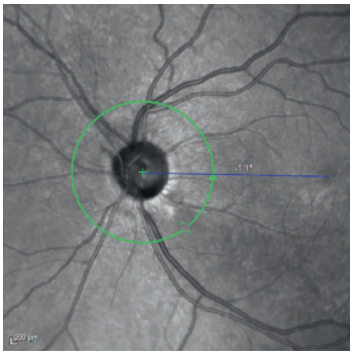
Retina

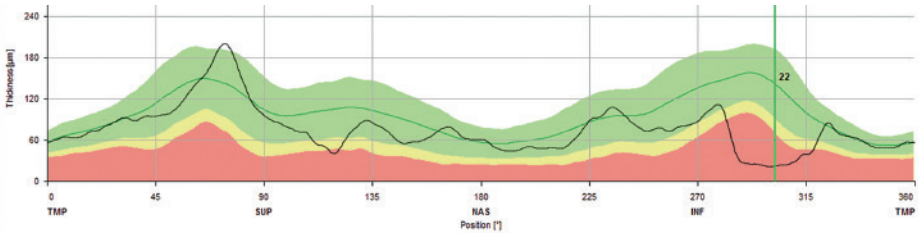




1 Nerve fiber layer
2 Ganglion cell layer
3 External limiting membrane
4 Photoreceptors
5 RPE
6 Bruch's membrane
7 Choroid

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.

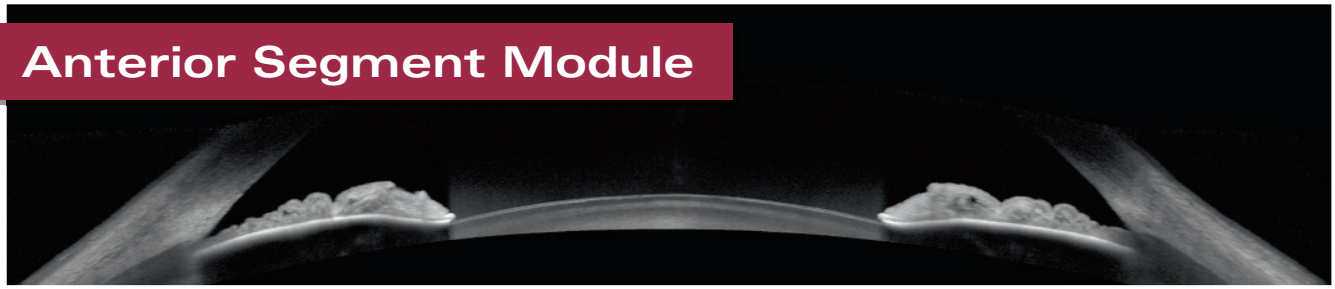
		OCT SPECTRALIS	HRA+OCT SPECTRALIS	HRA SPECTRALIS
OCT	Retina	■	■	
	Glaucoma	■	■	
	Anterior Segment	option	option	
	Nsite Analytics	option	option	
	OCT2 Module (85,000 Hz)	option	option	
Fundus	Infrared Reflectance	■	■	■
	BluePeak	option	■	■
	MultiColor	option	option	option
Widefield	Panning Camera	option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

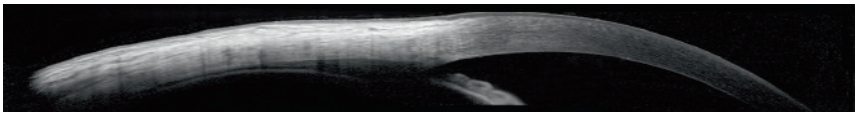
Some options can be added anytime; some are only available at initial equipment purchase.

Based on exclusive core technologies

- **TruTrack Active Eye Tracking**
- **Heidelberg Noise Reduction**
- **AutoRescan**
- **Simultaneous Fundus and OCT Imaging**
- **Confocal Scanning Laser Ophthalmoscopy**

Anterior Segment Module

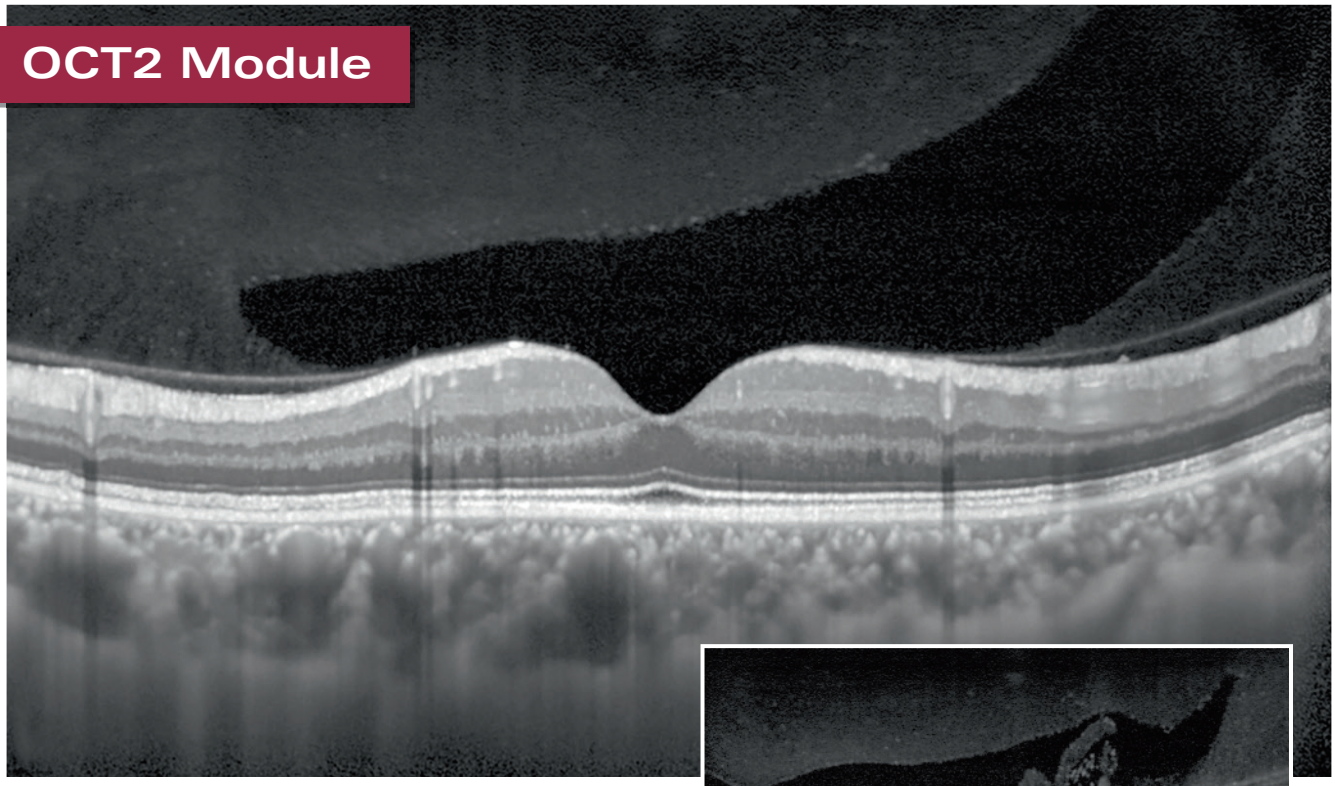


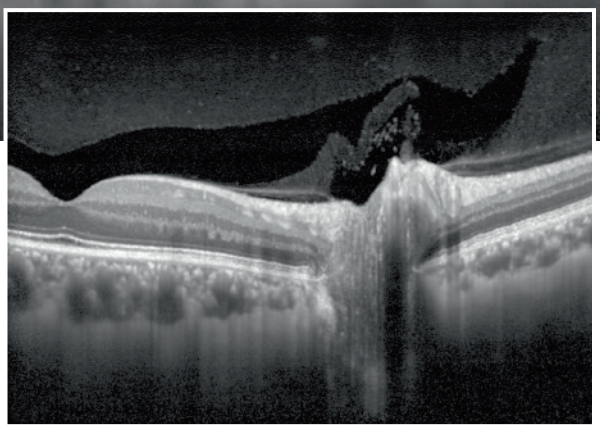


High-resolution anterior segment imaging

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

OCT2 Module



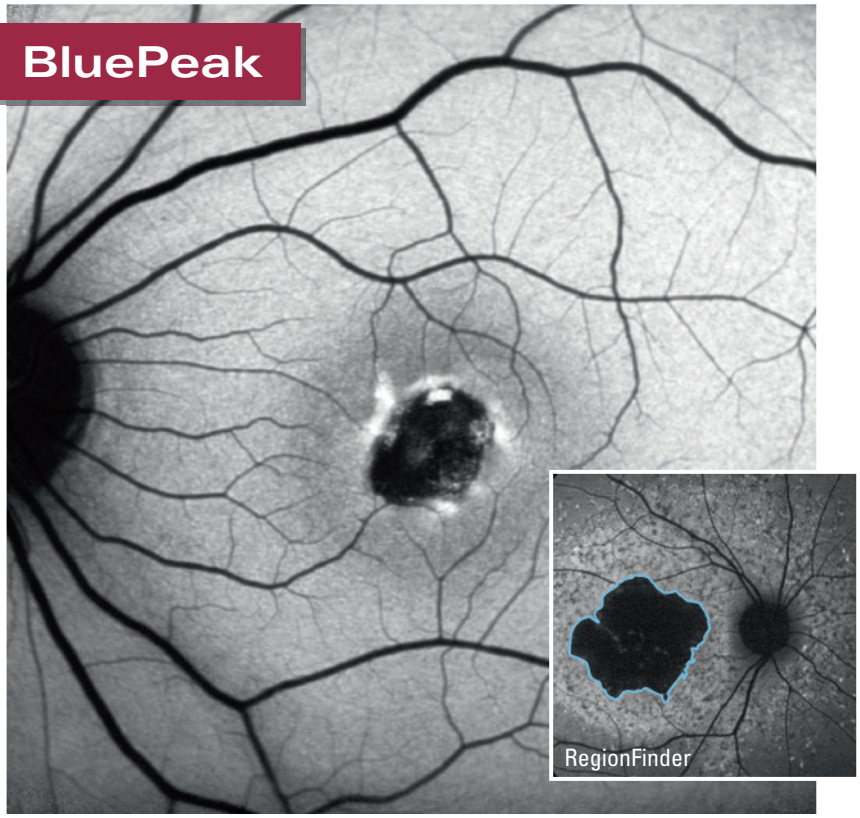


Next generation OCT module

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*.

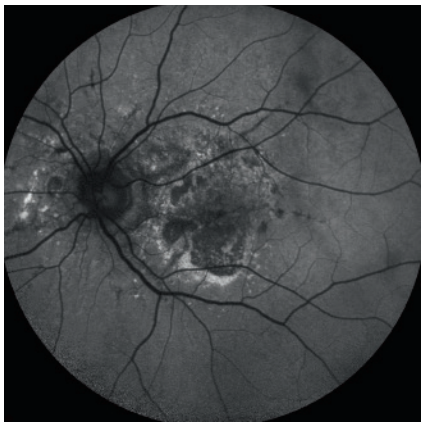
* OCT angiography is under development and not for sale yet.

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.

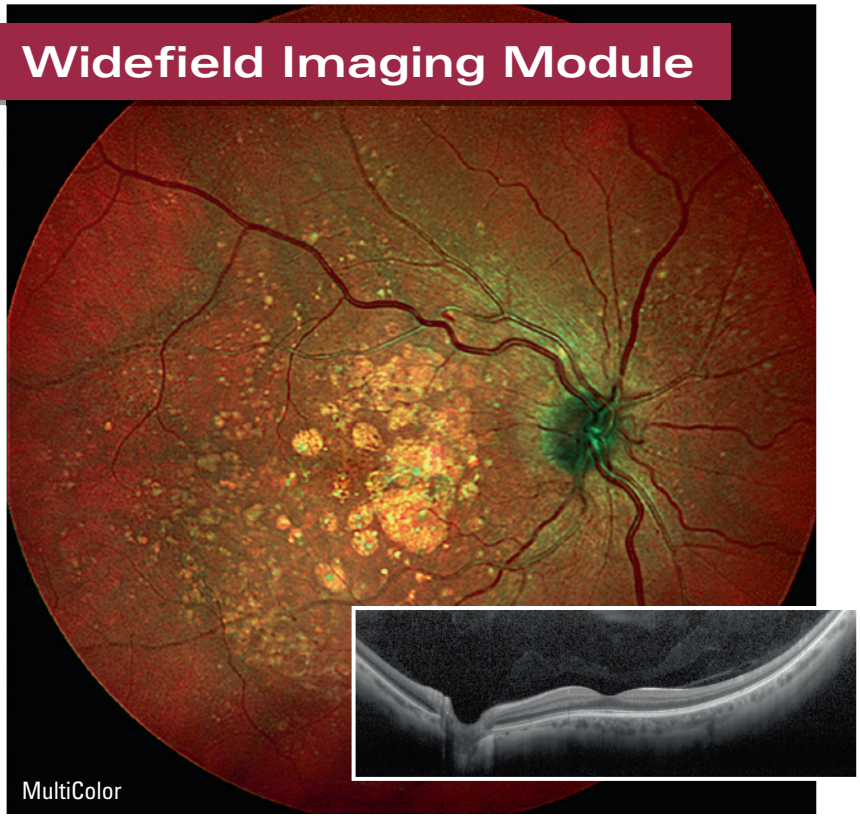


MultiColor

Scanning Laser Imaging

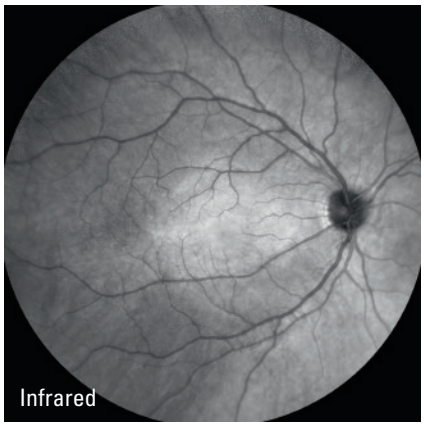
MultiColor is an innovative technology for fundus imaging offering image detail and clarity not available from traditional fundus photography.

Widefield Imaging Module

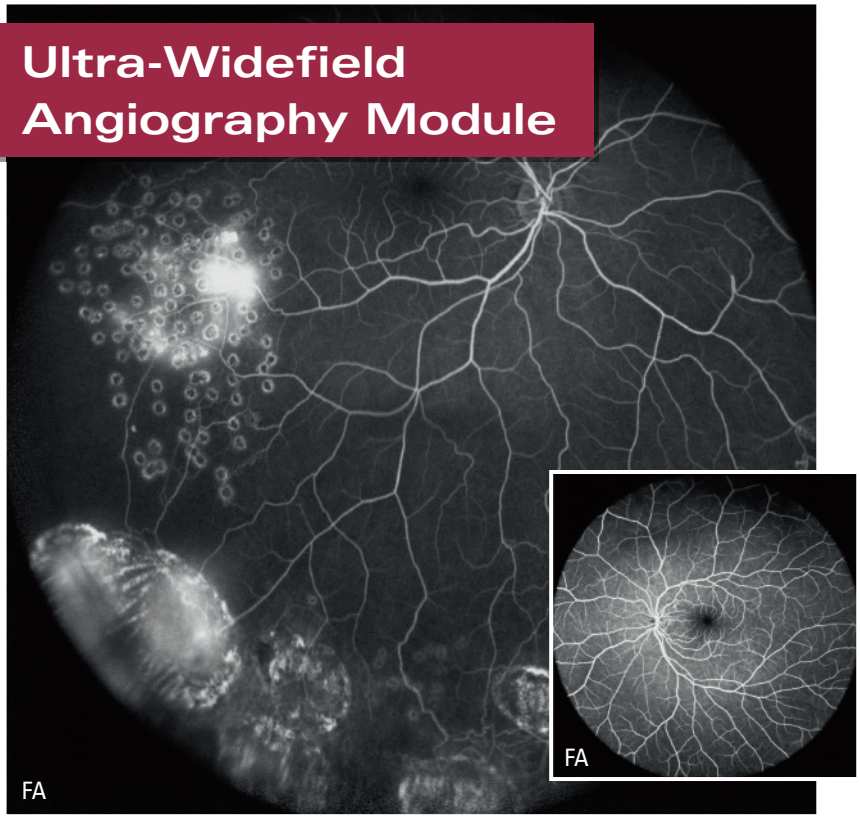


Widefield fundus and OCT

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.

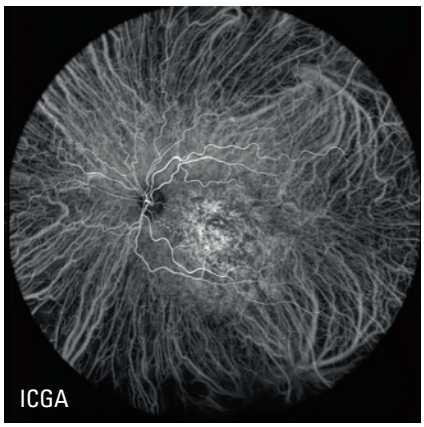


Ultra-Widefield Angiography Module

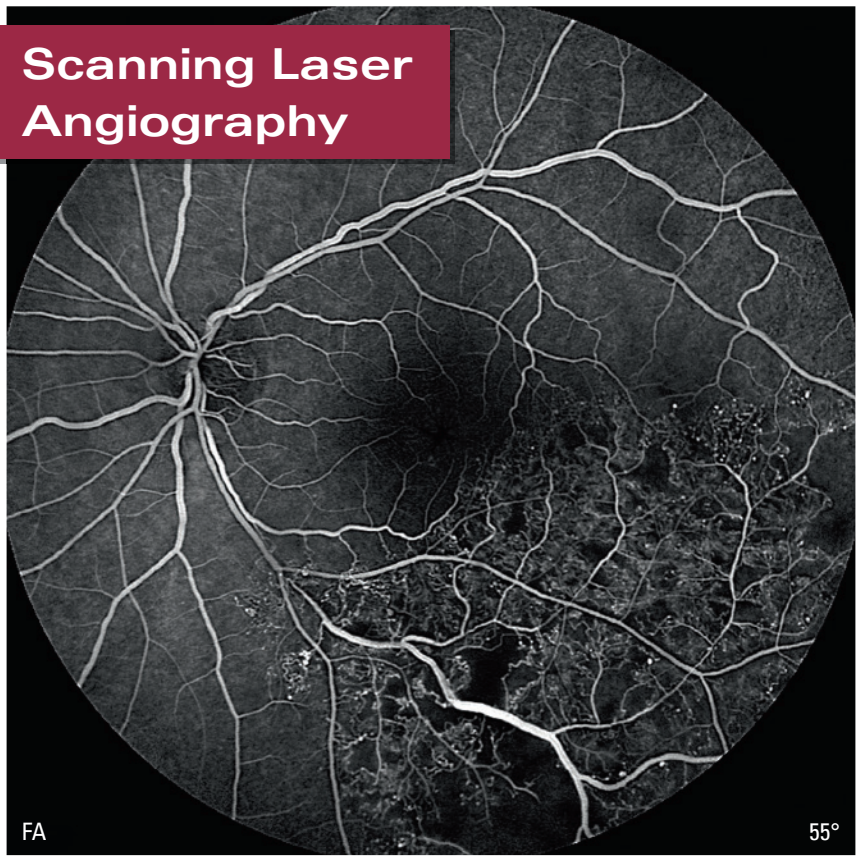


Angiography from the macula through the periphery

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



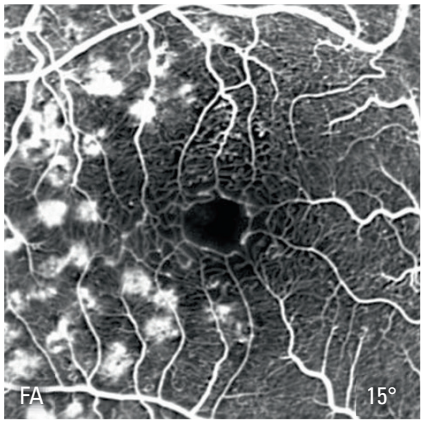
Scanning Laser Angiography

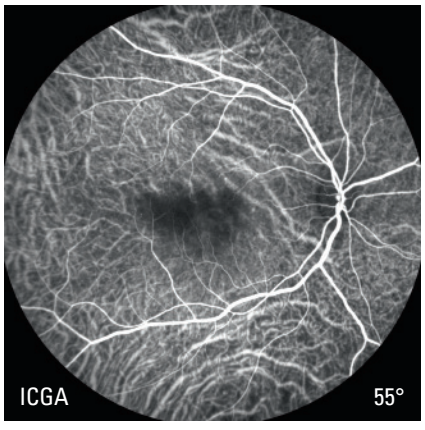


High-resolution images and videos

The SPECTRALIS scanning laser angiography can be conducted with either fluorescein or ICG dye; both modes produce detailed, high-resolution images and video sequences that show vessel filling, flow, and leakage.

For enhanced practice flow and diagnostic precision, FA and ICGA can be acquired simultaneously and in combination with OCT imaging. The SPECTRALIS laser angiography can often be performed with less dye than traditional fundus cameras reducing the risk of allergic reactions and patient discomfort.





HEIDELBERG ENGINEERING

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

USA
Heidelberg Engineering , Inc. · 1808 Aston Avenue, Suite 130 · Carlsbad, CA 92008
Tel. +1 800 931 2230 · Fax +1 760 536 7100

www.HeidelbergEngineering.com