

The OCT Angiography Module is a non-invasive imaging technology that provides a three-dimensional depiction of retinal vascular flow with versatility in field of view, scan speed, and image resolution.

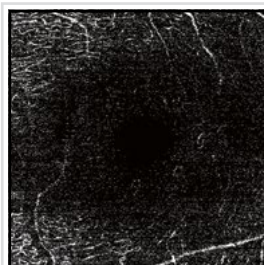
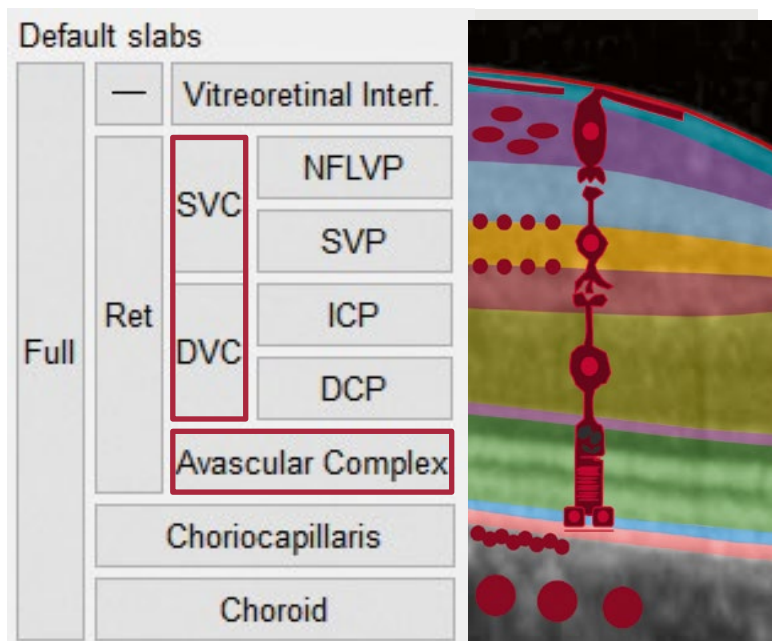
The multimodal SPECTRALIS offers the ability to combine OCTA with structural OCT, confocal scanning laser imaging, and dye-based angiography in a single device to facilitate comprehensive clinical assessment and efficient patient care.

See more detail within the individual vascular plexuses

SPECTRALIS delivers high resolution OCTA images with a lateral resolution of 5.7 $\mu\text{m}/\text{px}$, depicting fine capillary networks in great detail.

The axial resolution of 3.9 $\mu\text{m}/\text{px}$ allows for segmentation of all four histologically-validated retinal vascular plexuses. Presets for the nerve fiber layer as well as superficial, intermediate and deep capillary plexuses that constitute the superficial (SVC) and deep vascular complexes (DVC), offer a more comprehensive clinical evaluation.

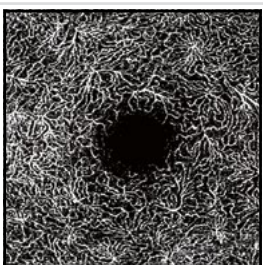
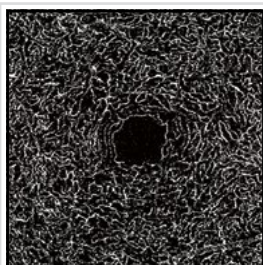
Presets that delineate the avascular zone, choriocapillaris and choroid support the visualization of CNV.



Nerve Fiber Layer Vascular Plexus

Superficial Vascular Plexus

Superficial Vascular Complex



Intermediate Capillary Plexus

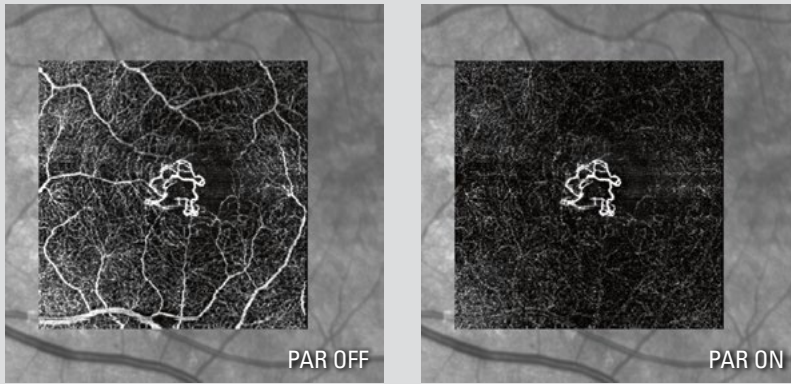
Deep Capillary Plexus

Deep Vascular Complex



Avascular Complex

Clearly visualize pathology at all depths



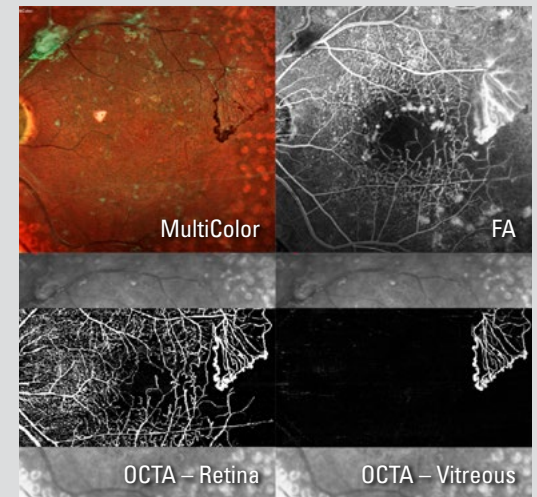
The projection artifact removal (PAR) tool utilizes information from the Superficial Vascular Plexus to remove artifacts from OCTA images of the outer retina.

By eliminating these artifacts, PAR enables precise visualization of vascular structures and pathology in the Deep Vascular Complex.

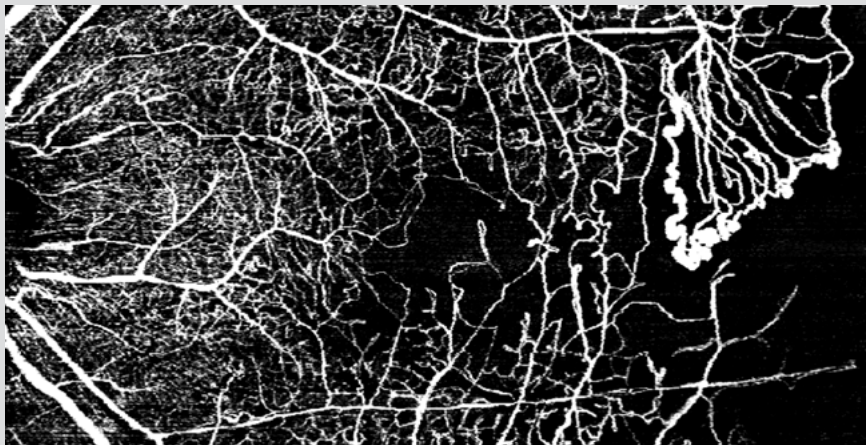
Enhance clinical decisions with multimodal imaging

The SPECTRALIS OCT Angiography Module combines OCTA images with structural OCT and confocal laser scanning fundus imaging modalities in a convenient and seamless manner for a comprehensive clinical evaluation.

The SPECTRALIS multimodal imaging platform facilitates a unique hybrid approach to angiography. Powered by TruTrack Active Eye Tracking, the optional Scan Planning Tool enables precise, pixel-to-pixel correlation of OCTA follow-ups to existing fundus or angiography images. Validating clinical assessment through multiple imaging modalities offers the confidence needed to utilize OCT angiography to its fullest potential.



Experience the flexibility of a wider field of view



The SPECTRALIS OCT Angiography Module provides powerful clinical tools that highlight information that is relevant for the assessment of each individual patient.

Explore vascular details in a high resolution $10^\circ \times 10^\circ$ image or obtain a widefield overview by choosing a high speed scan with a horizontal field of view up to 30° .

With this flexible image resolution and field of view, the OCTA Module offers unique options for exploring pathologies.

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

USA
Heidelberg Engineering, Inc.
10 Forge Parkway
Franklin, MA 02038
Tel. 1-800-931-2230

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www.HeidelbergEngineering.com