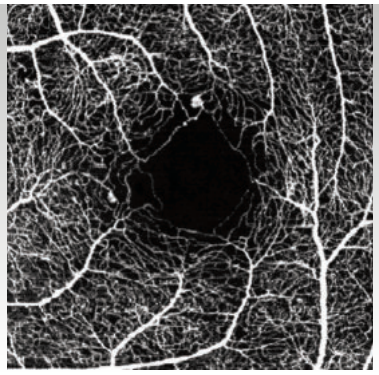
SPECTRALIS® OCT Angiography Module

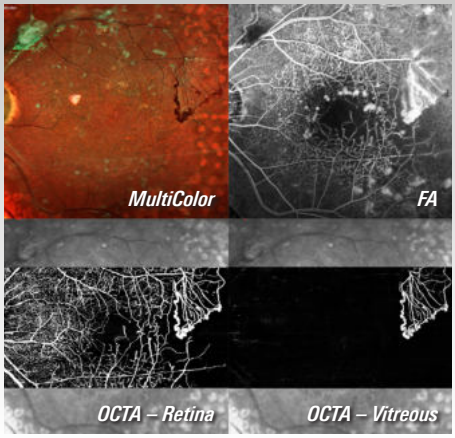


As a non-invasive imaging technology, the SPECTRALIS OCT Angiography (OCTA) Module provides a three-dimensional depiction of retinal vascular flow with versatility in field of view, scan speed, and image resolution.

OCTA can provide powerful clinical tools that highlight information that is relevant for the assessment of each individual patient. Additionally, as a screening tool it is fast, safe, and cost-effective.

Enhance Clinical Decisions with SPECTRALIS Multimodal Imaging

SPECTRALIS is the true high-resolution multimodal imaging platform. It offers the unique ability to combine OCTA with structural OCT, confocal laser scanning fundus imaging modalities, and dye-based angiography in a single device to facilitate comprehensive clinical assessment and efficient patient care.



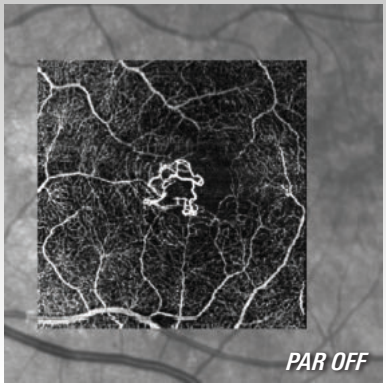
Enjoy Speed Without Sacrifice

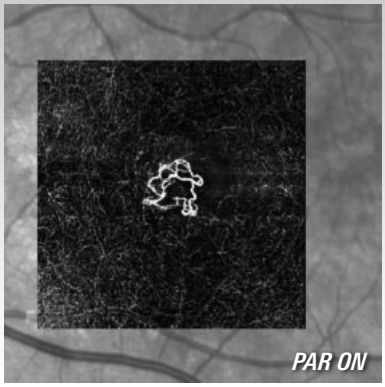
The 125 kHz scan speed of SPECTRALIS OCTA Module with SHIFT technology allows you to reduce acquisition time by 50%*. The faster acquisition of images allows visualization of flow by minimizing artifacts due to natural eye motion and can help shorten exam times.

**Heidelberg Engineering Acquisition Time Comparison Video: SPECTRALIS with OCT2 Module at 85 kHz vs. SPECTRALIS with SHIFT Module at 125 kHz.*

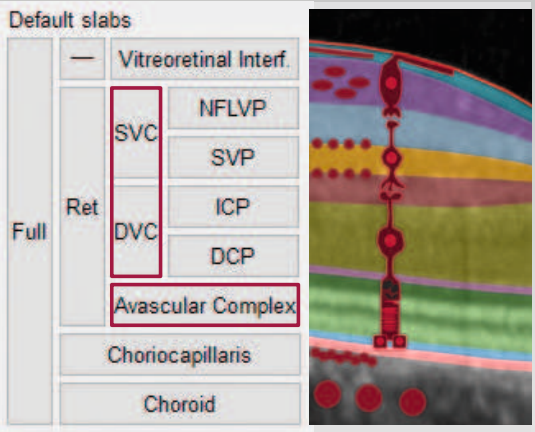
Clearly Visualize Pathology at All Depths

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.



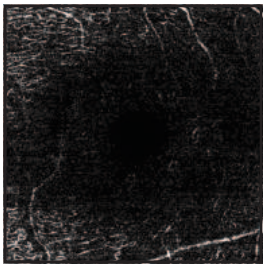


See More Details Within the Individual Vascular Plexuses

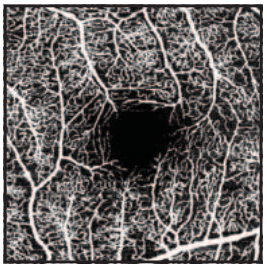


With a lateral resolution of 5.7 µm/px clinicians are empowered to see fine capillary networks in detail. Additionally, the axial resolution of 3.9 µm/px allows for segmentation of all four histologically validated retinal vascular plexuses.

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.

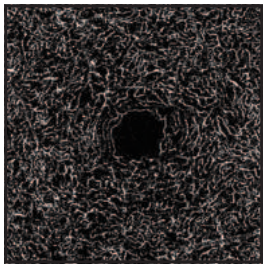


Nerve Fiber Layer Vascular Plexus

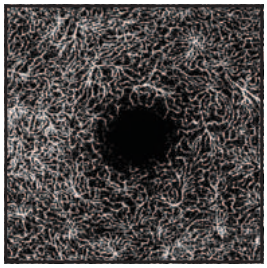


Superficial Vascular Plexus

Superficial Vascular Complex

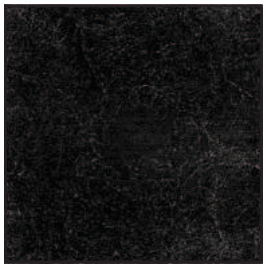


Intermediate Capillary Plexus



Deep Capillary Plexus

Deep Vascular Complex



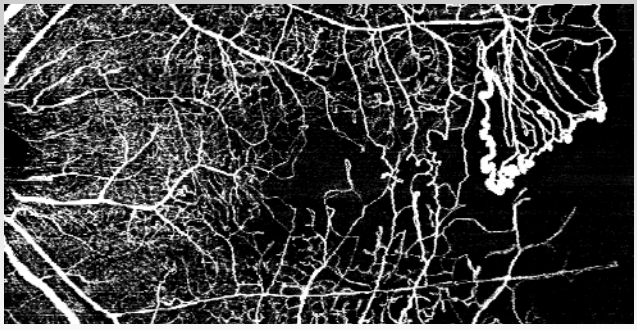
Avascular Complex

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° x 10° 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.



Optimize Follow-up Examinations with a Hybrid Approach

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 OCTA to its fullest potential.

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Heidelberg Engineering, Inc. · 10 Forge Parkway · Franklin, MA 02038 · Tel. +1 508 530 7900 · Fax +1 508 530 7901 · www.HeidelbergEngineering.com