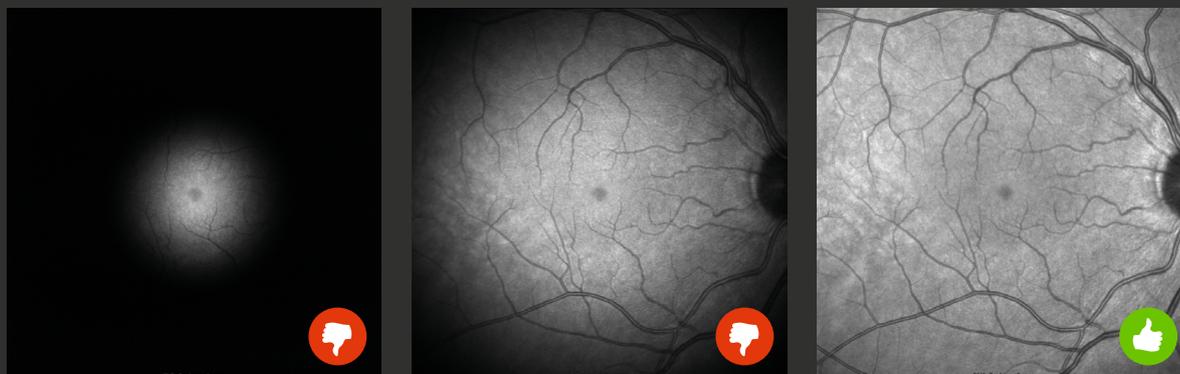


Image Acquisition: Retina

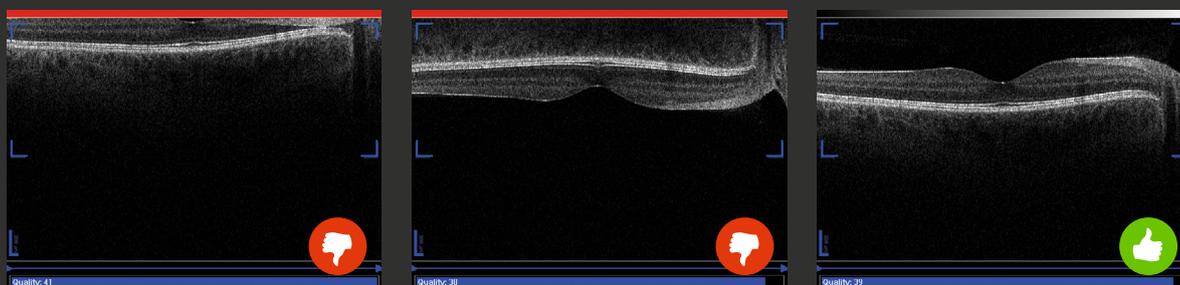
IR+OCT Scans

- 1 Start image acquisition by pressing  then move the camera head towards the patient's eye and twist the joystick to move the camera head up and down in order to align the camera so that the IR image is evenly illuminated on all sides:



 If your SPECTRALIS has a touch panel, rotating the ART button will decrease or increase the brightness of the IR image if automatic brightness control is not engaged. 

- 2 Focus the IR image using the focus knob so that the fine blood vessels around the fovea are sharp.
- 3 Align the OCT section image so that it is correctly positioned in the **Sweet Spot** (blue markers). If it is upside down, move the camera slowly back from the patient's eye until the OCT section image is displayed correctly.

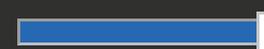


 When examining patients with high myopic/hyperopic eyes it is useful to change the eye length parameter in the **OCT Control** section in order to align the images correctly.



- 4 **Single line scans:** Engage the eye tracking with a long press of the joystick button or by pressing  on the touch panel. Wait for the ART mean to reach the required number of frames. Acquire the image with a short press of the joystick button or press **Acquire** on the touch panel.

ART 100 frames



Volume or radial scans:

Engage the eye tracking with a long press of the joystick button or by pressing  on the touch panel. Acquire the image with a short press of the joystick button or press **Acquire** on the touch panel. A small live image will be displayed on the lower section of the image acquisition window. Watch the small live image for an even illumination of the IR image and proper orientation of the OCT section image. Keep your hands on the device and readjust the camera if needed until all images in the volume or radial scan have been acquired.

- 5 Press  on the keyboard to exit.

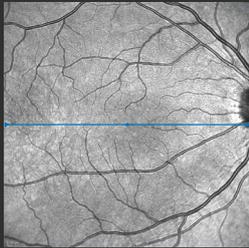
Image Acquisition: Retina

OCT Scan Patterns

Application & Structure

Retina

Single Line and Radial Scan

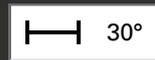


Single Line

Scan pattern:



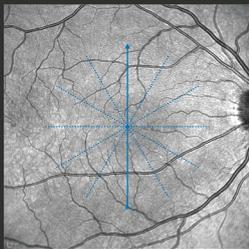
Scan length:



ART number of frames:



Scan orientation:



Radial

Scan pattern:



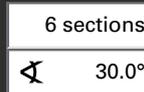
Scan length:



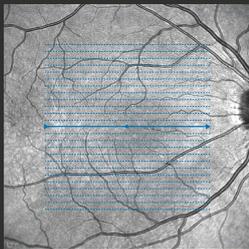
ART number of frames:



Number of sections and section spacing:



Volume Scan Presets



Fast Volume

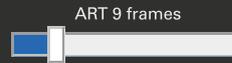
Scan preset:



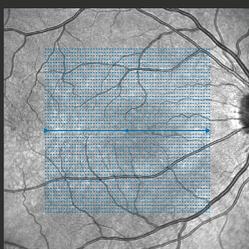
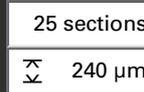
Scan length:



ART number of frames:



Number of sections and section spacing:

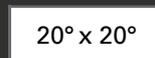


Dense Volume

Scan preset:



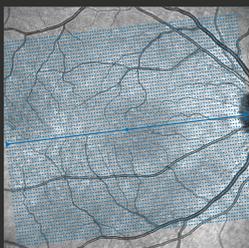
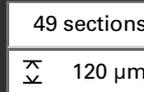
Scan length:



ART number of frames:



Number of sections and section spacing:

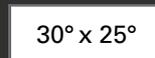


Posterior Pole Volume

Scan preset:



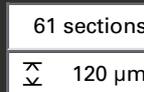
Scan length:



ART number of frames:



Number of sections and section spacing:



The list of scan patterns on this page is not exhaustive but represents a useful starting point. Please refer to your SPECTRALIS User Manual for information about the full range of options.