Virtual Point™ Technology

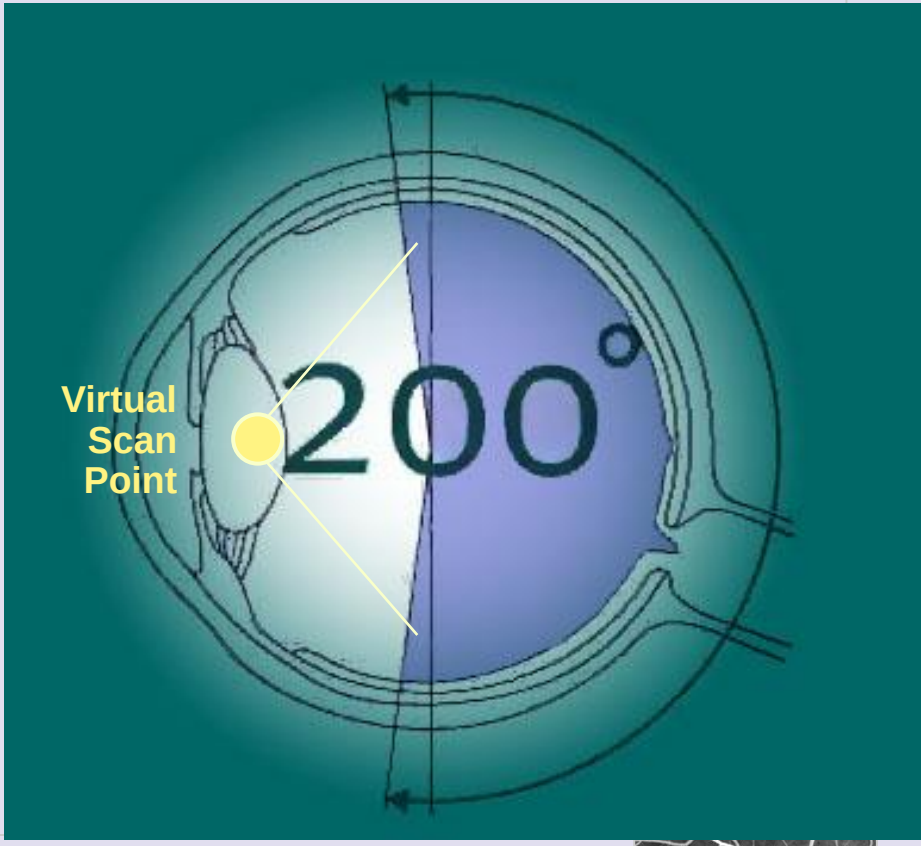
View the majority of the retina at one time (up to 200 degrees / 82%)

Virtually place a scan

point posterior

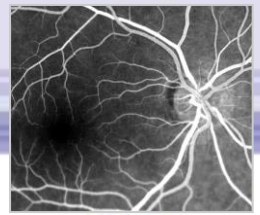
to the iris plane

Image the eye from the inside

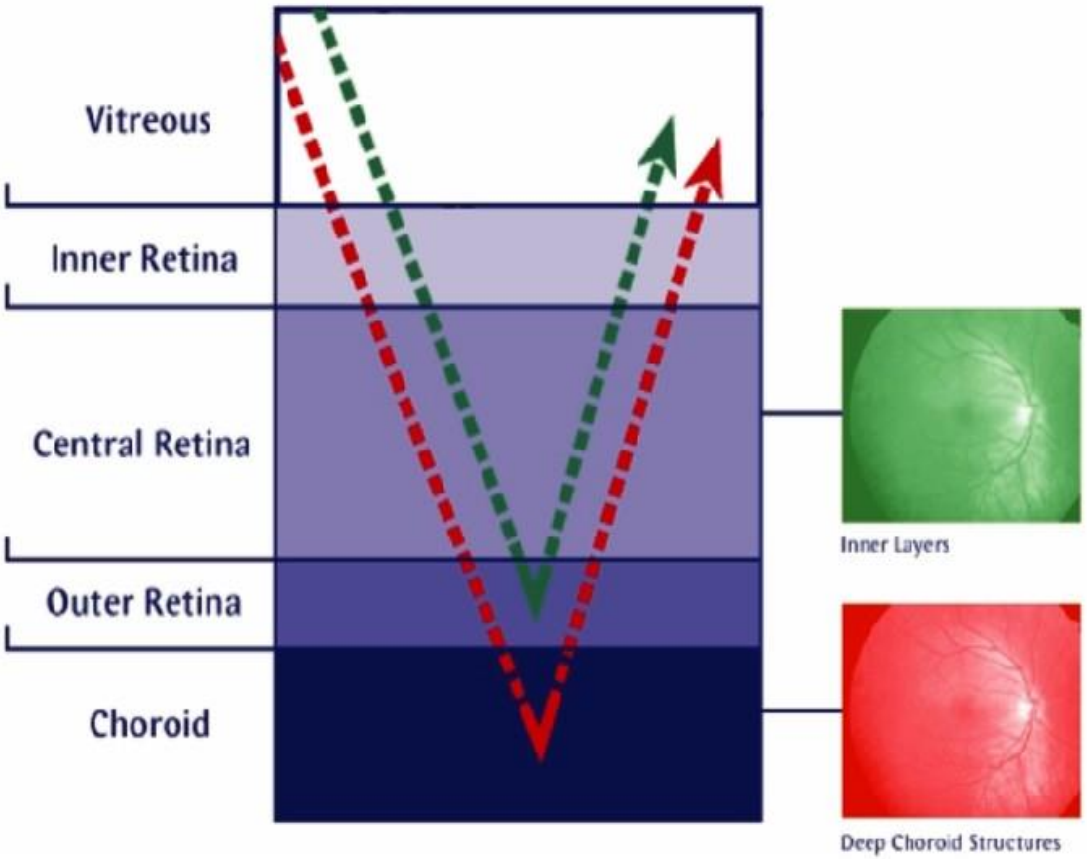


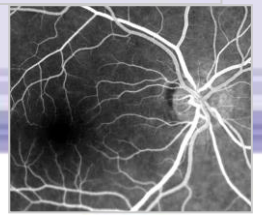
optos®

- **Multi-frequency** Scanning Laser Ophthalmoscope
- High resolution Digital images
- Scans up to 200° Internal Angle of the Retina
- Image capture complete in 0.25 seconds
- No pupil dilation

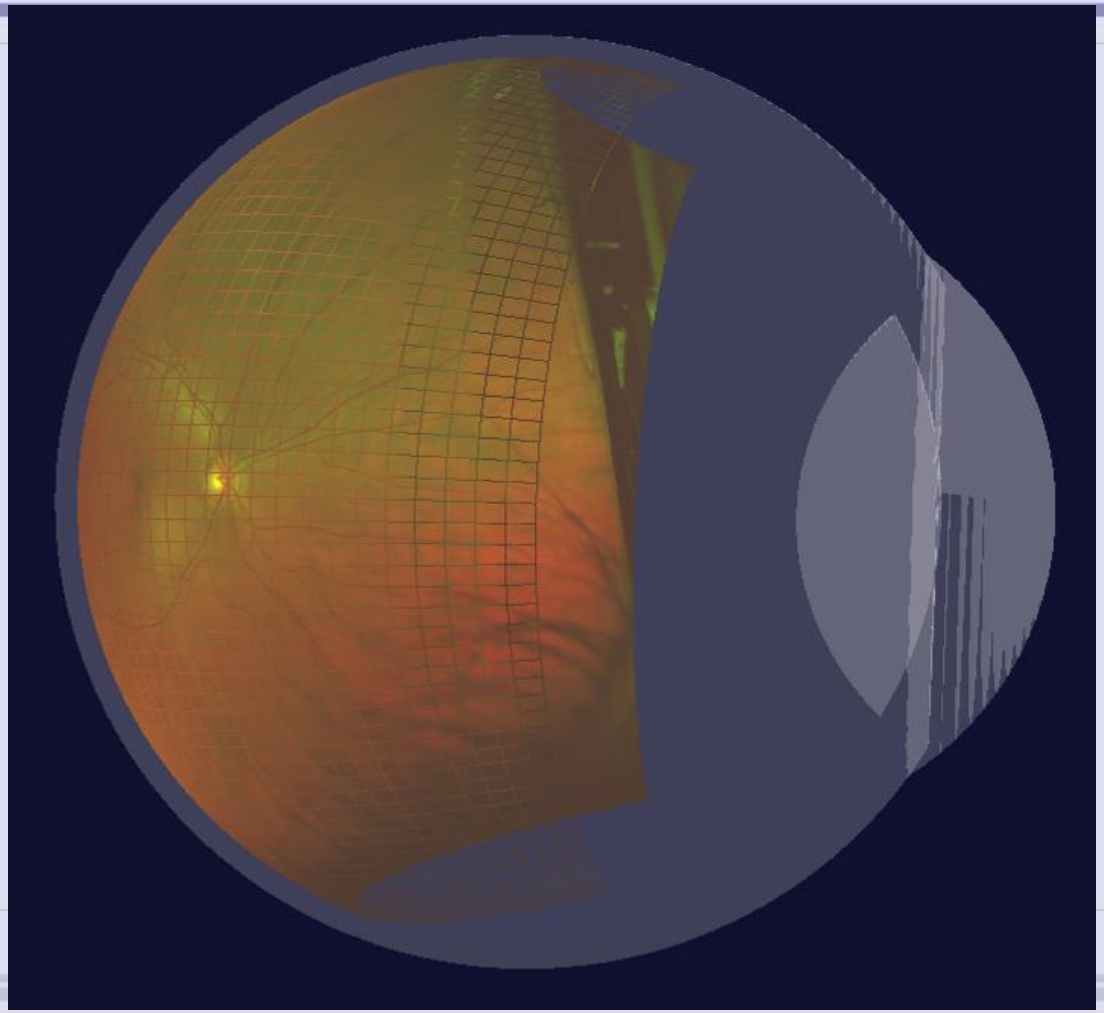


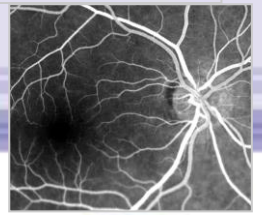
Multi-Frequency Laser Imaging





Field of View

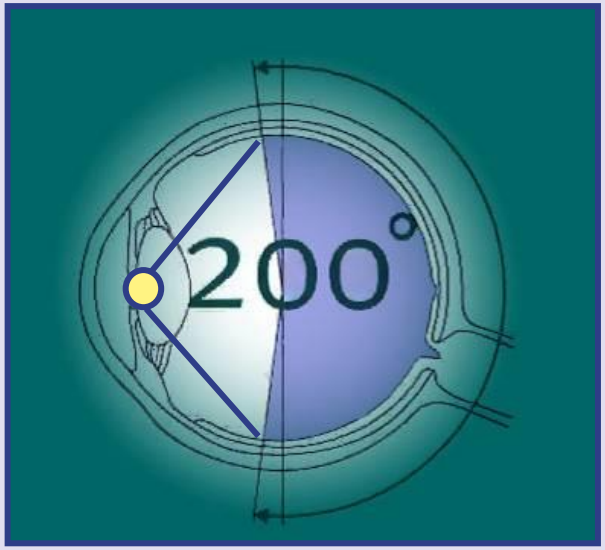


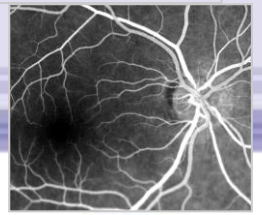


Design Elements

Some things are still the same…

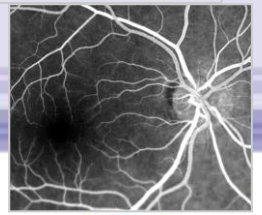
- Ultra-widefield image through a 2 mm pupil
- 200° Ultra-widefield of view
- Virtual Point™ Technology
- Image Capture in 0.3 seconds
- Red laser (633 nm)
- Green laser (532 nm)



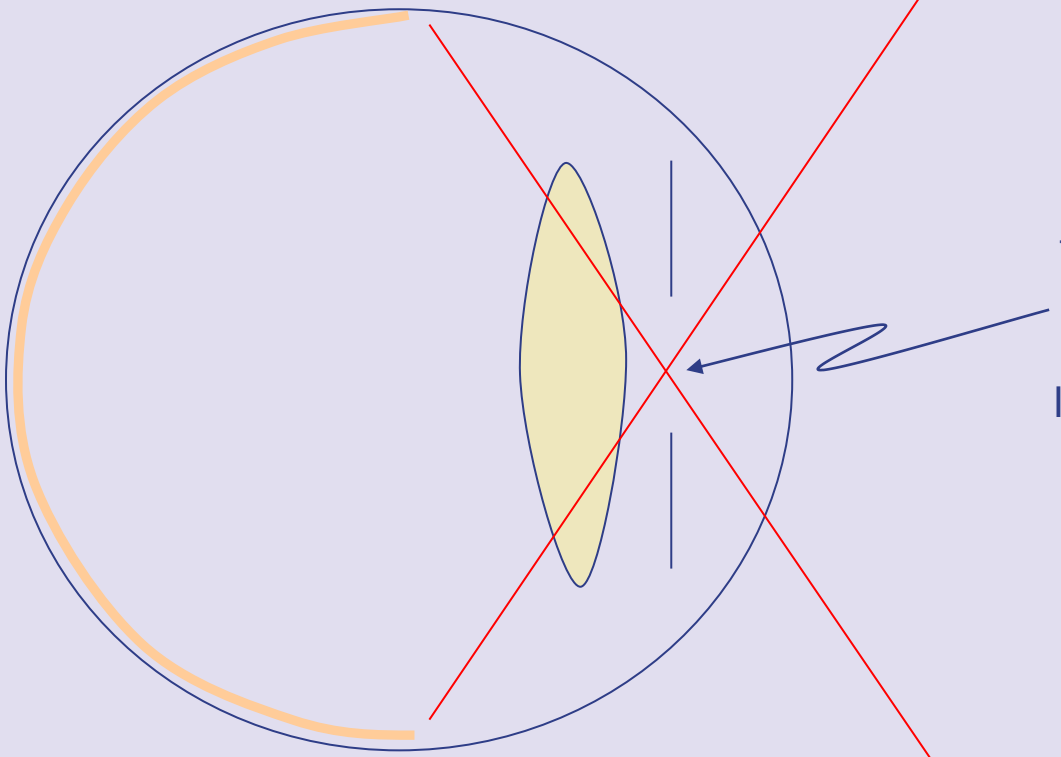


Design Elements – P200MA

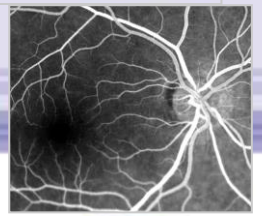
- **Fluorescein Angiography**
  - Blue Laser (488 nm)
  - Programmable sequence
- **Patient Interface**
  - Patient headrest
  - Biocompatible facepad
  - Injection arm support
- **Patient Alignment System**
  - Maneuverable virtual point
  - Iris detection
  - Eye steering
- **Operator Console**
  - Hand controller
  - Embedded PC
  - Install on either side



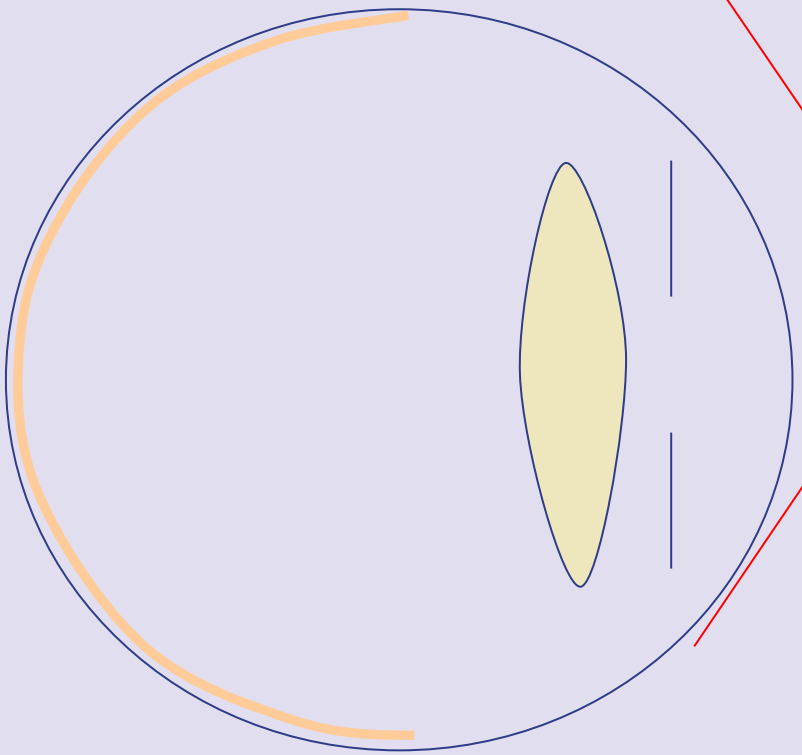
Virtual Point Position



The “Virtual Point” is the point about which the lasers pivot in order to create the large scanning angles that give the unique 200 degree field of view.

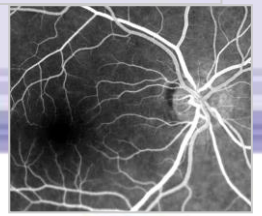


Hand Controller Positioning



The hand controller enables manipulation of the virtual point to the correct position

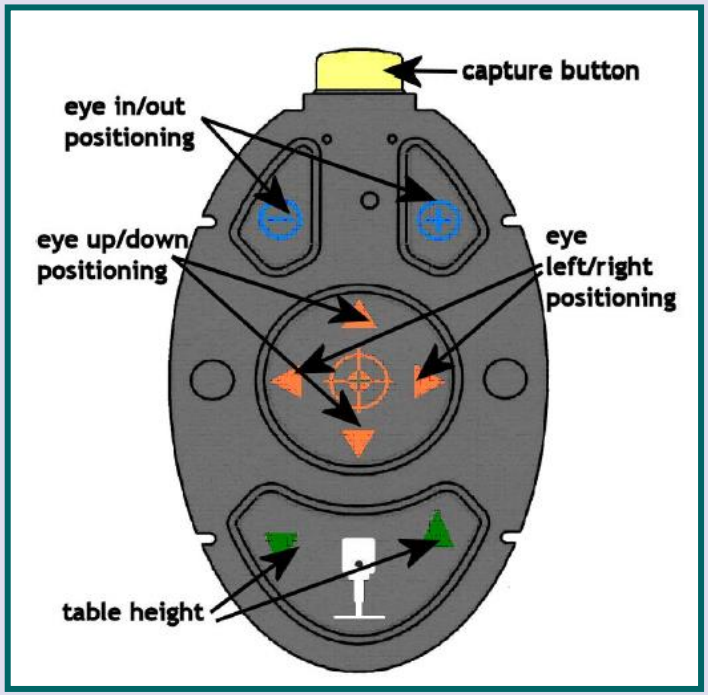
Good to Image!

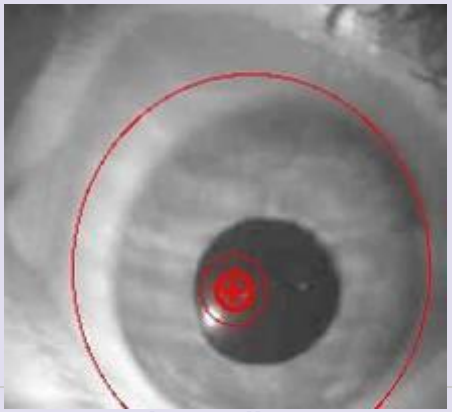


PAS & Hand Controller

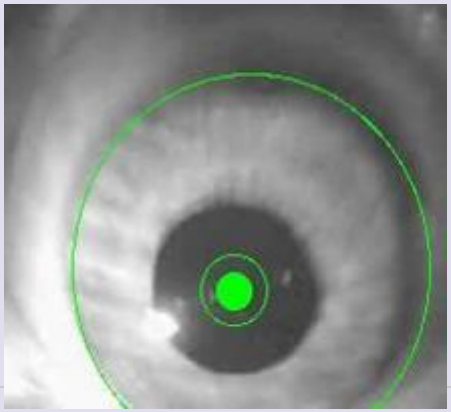
Hand Controller Functions:

- Patient alignment
- Table height
- Image Capture

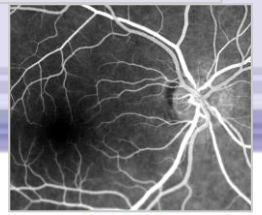




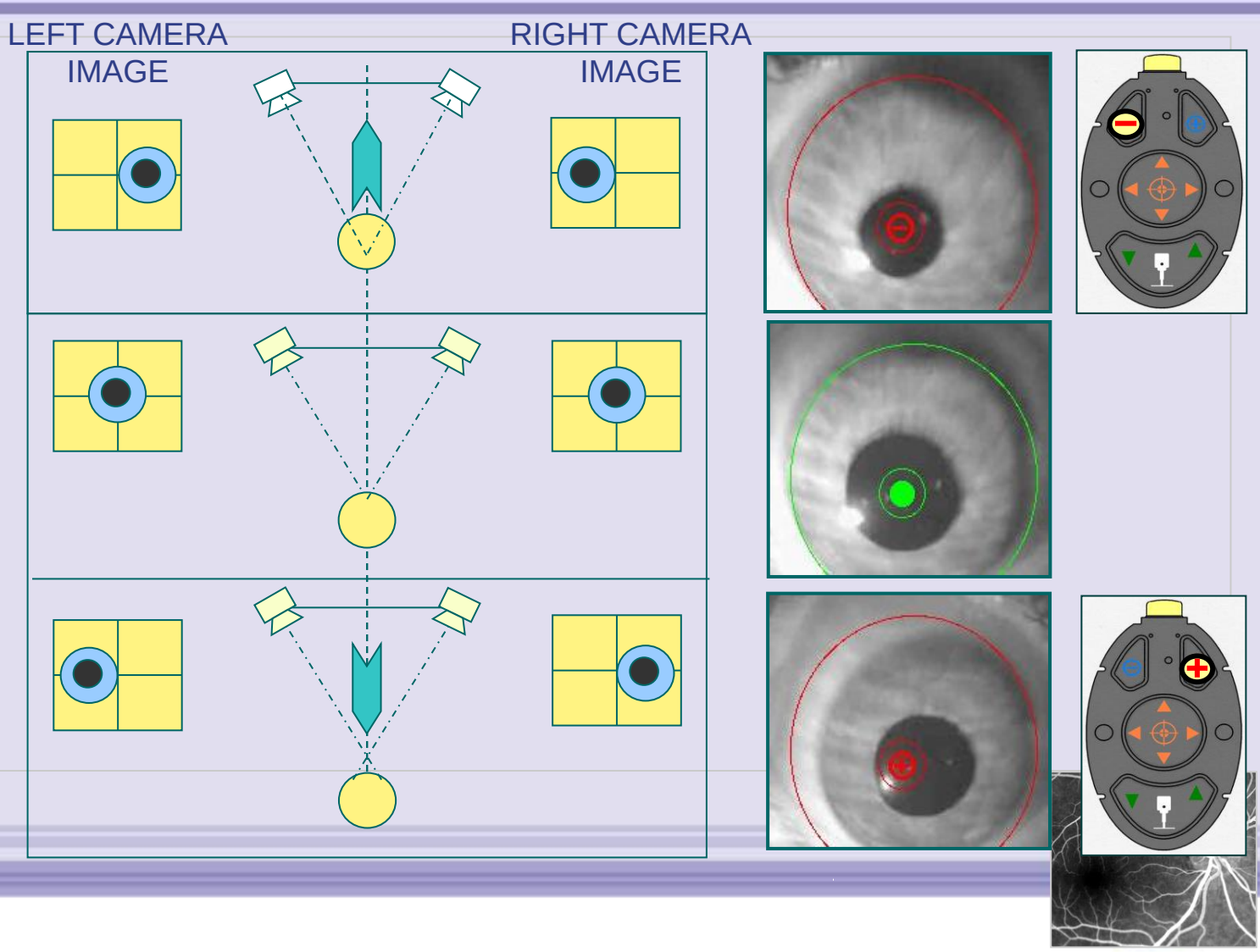
Requires Adjustment



Good to Image



PAS – Iris Detection

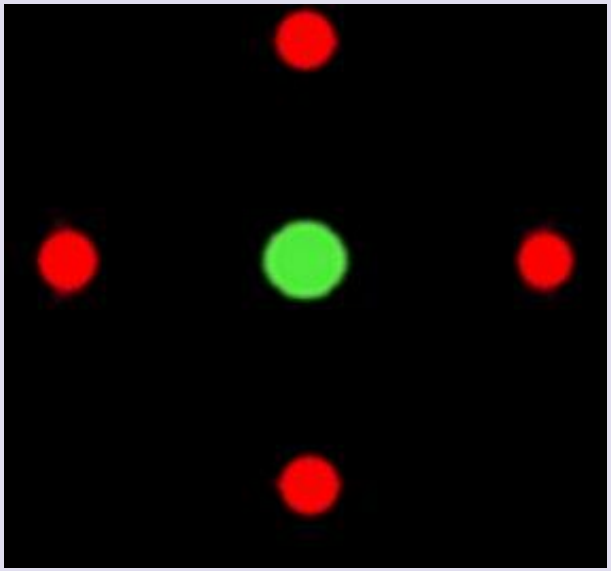
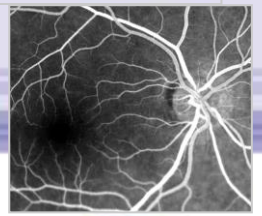


PAS - Eyesteering

Central Fixation – all procedures

Green LED

Eyesteering - optomap® *plus* and optomap® *fa*

Red LEDs

Clock hours 12-3-6-9