

3nethra

classic HD

High Dynamic
Range Imaging



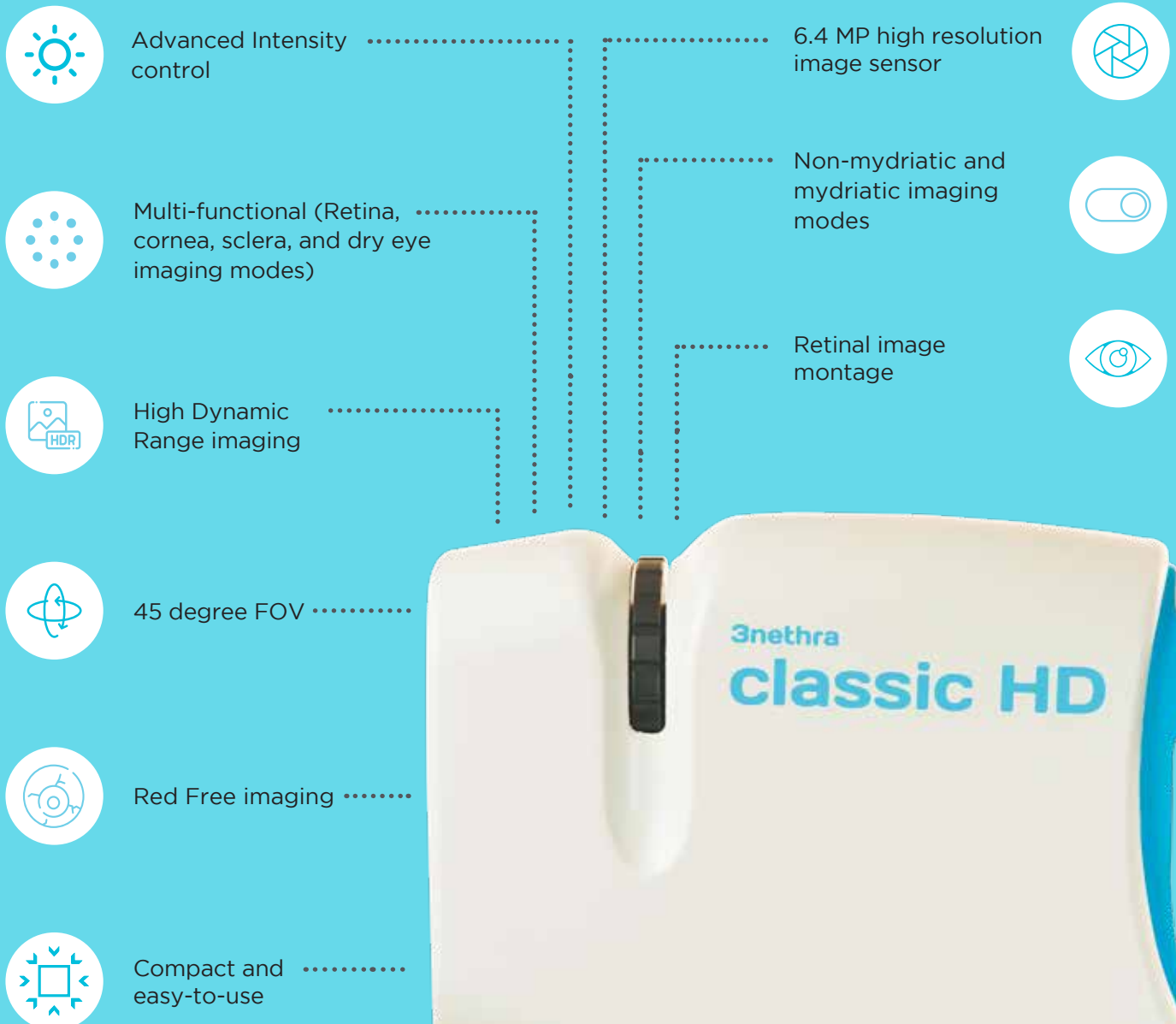
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classic HD

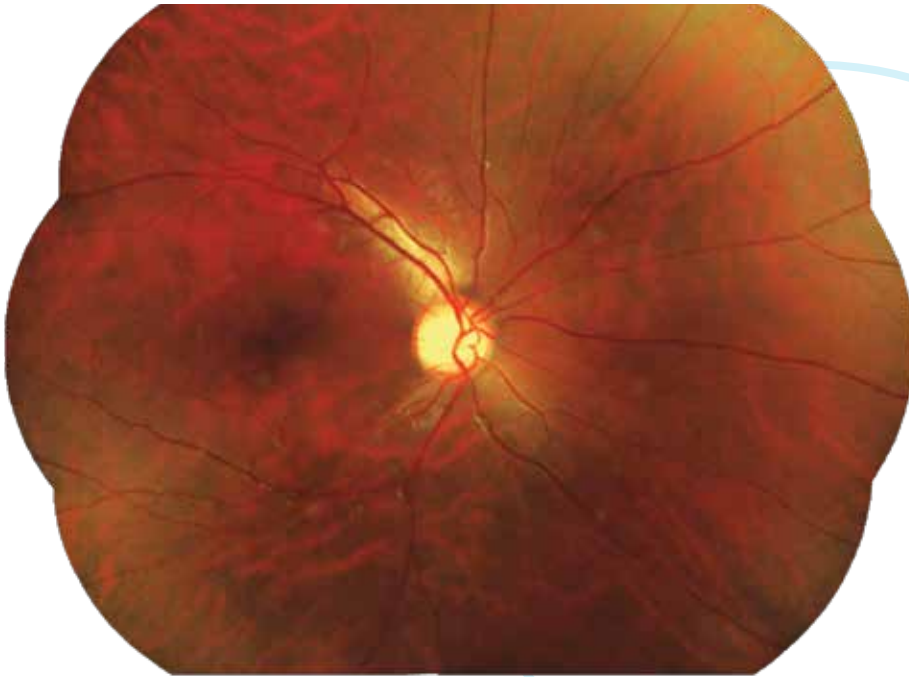
High Dynamic Range Imaging

The 3nethra classic HD is a digital fundus camera that combines the best of workflow, design, and high-resolution visuals. With state-of-the-art imaging, software analytics and telemedicine capabilities, the camera is fully equipped to improve diagnostic accuracy and minimize screening time. The unique optical design enables the camera to capture high resolution, undistorted, and uniformly illuminated images of the retina and surfaces such as cornea, sclera, and lipid layers. The images assist clinicians in the effective diagnosis and documentation of visual health.

Features:

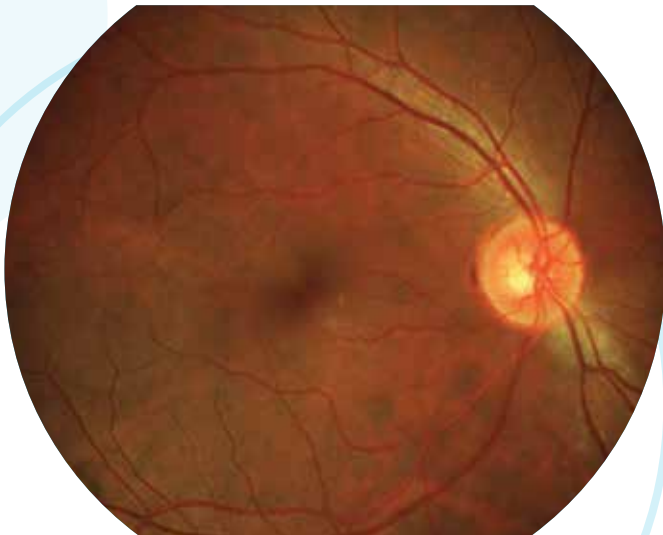


Posterior Imaging

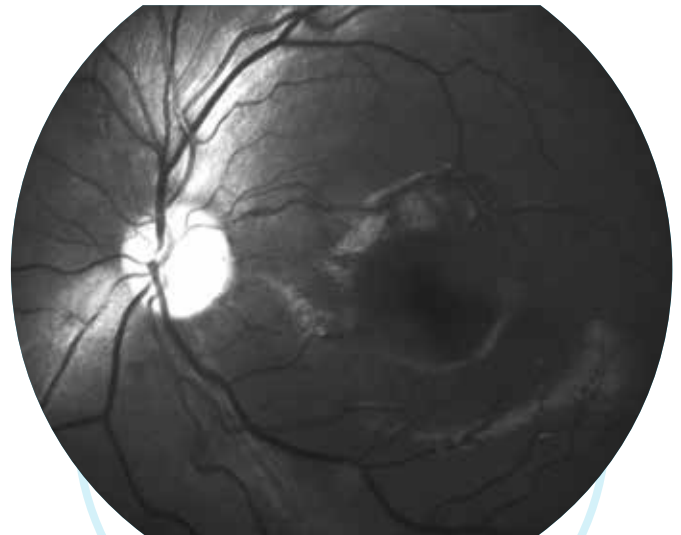


Retinal Image Montage allows stitching of multiple overlapping fields of fundus images to create a wider view of the retina up to a 75-degree field of view to visualize the mid-periphery and periphery regions of the fundus in a single view.

True Color Montage Image

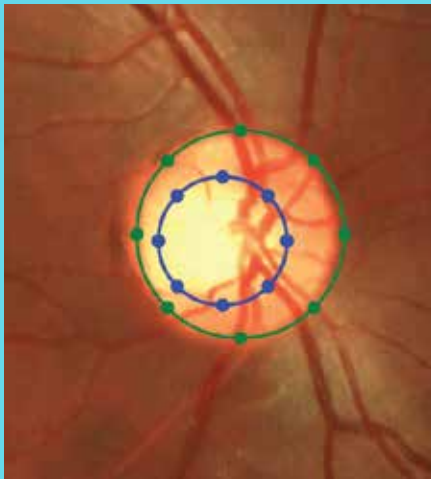


High Dynamic Range Imaging ensures uniform brightness level across the retina image from centre to periphery and minimizes optic disc saturation. This improves the visibility of the darker regions such as the macula and the brighter regions such as the optic disc.

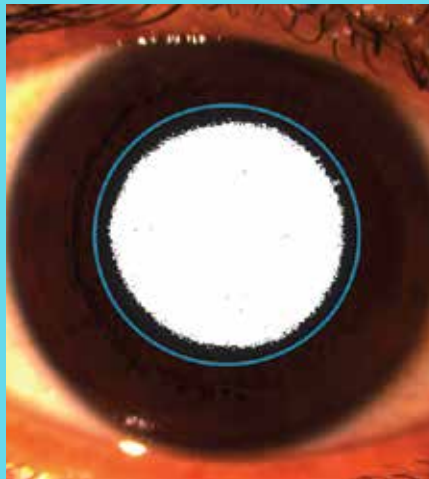


Red Free Imaging allows better contrast to view the lesions, blood vessels, optic disc and hard exudates on the retina image.

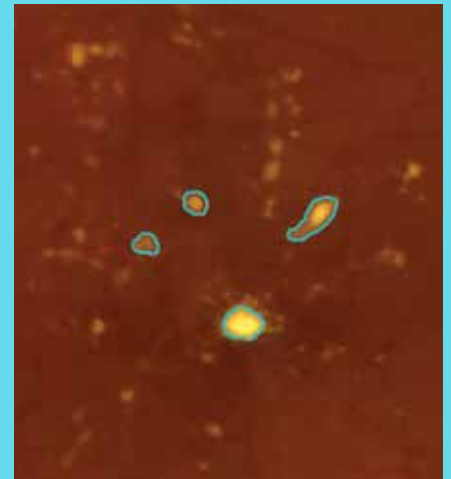
Image Review



Cup to disc ratio analysis



Pupil opacity



Lesions



Image Comparison

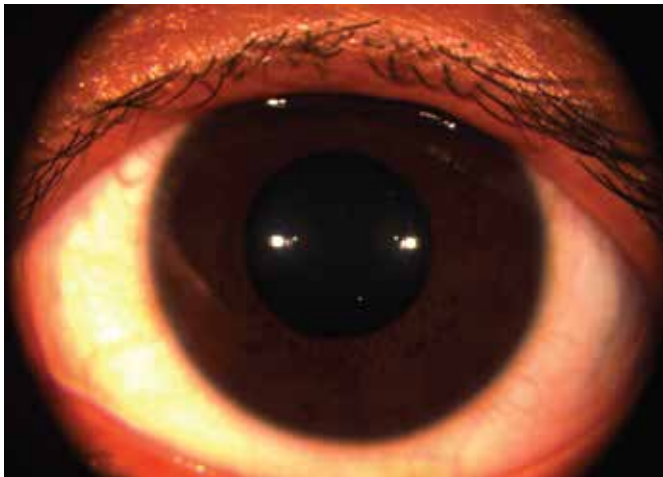
Allows easy comparison of present and previous visits to monitor disease progression.

DICOM Compatible

Data can be accessed and transferred conveniently from host system to PACS within the local network. It uses DICOM standards to create worklists and transfer images to a PACS.

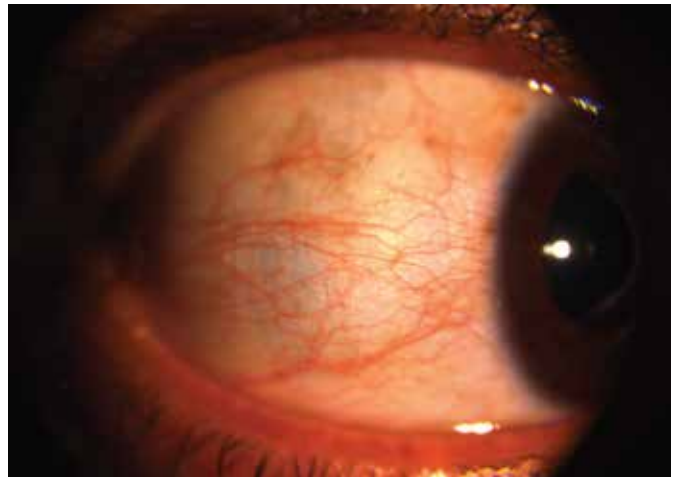


Anterior Imaging



Cornea Imaging

The view of the cornea surface helps detect the presence of cataract or any cuts or rashes on the surface of the eye.



Sclera Imaging

The fine view of the sclera surface helps detect the presence of any cuts or rashes on the surface of the eye.

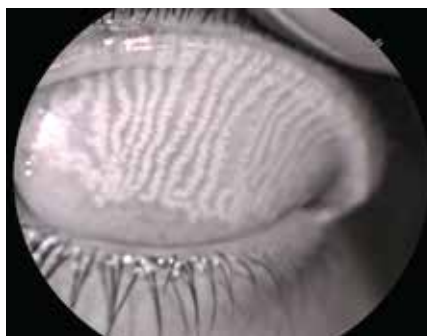
Dry Eye Imaging

Interferometry: Qualitative Analysis of the Lipid Layer



Lipid layer Interferometry is a non-invasive technology to assess and visualize the thickness of the lipid layer. A video burst feature allows clinicians to see results frame by frame showing fluctuations in lipid thickness measurements between each blink.

Meibography of Upper and Lower Eyelids



Meibography is the method to visualize the condition of the meibomian glands and the dysfunction of the human eye. Qualitative analysis of the meibomian glands in the upper and lower eyelids is possible through high-quality imaging of the eyelids without causing patient discomfort.

Product Specifications



Parameters	Values
FOV	45 degrees
Optical Resolution	8-14 microns
Image Sensor	6.4 megapixel
Interface	USB 3.0
Dimensions	520 mm(H) X 420 mm(L) X 340 mm(W)
Total Weight	11.1 Kg (3.4 Kg + 7.7 Kg)
Power Consumption	5-10 W (DC)
Power Supply	AC 100-240 V, 50/60 Hz (for DC power adapter 5 V, ≥4A)
Minimum System Requirements	The software will work on MS Windows 10 OS 64 bit based laptop/desktop with 2.4 GHz CPU or higher, 8 GB RAM or higher, i3 processor 7th or 8th Generation and above, 500 GB or more hard disk space, Full HD display (1920x1080). Forus Health recommends using a CE marked desktop or laptop.

This product is available for sale in the US & Europe.



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