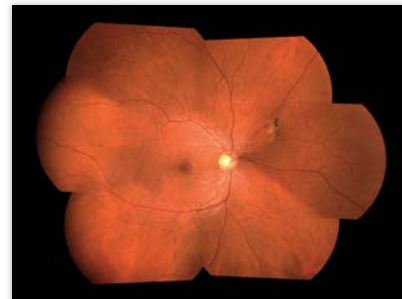
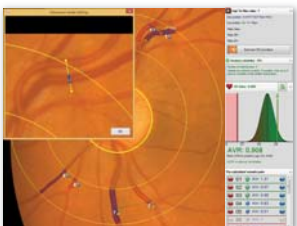


# cobra + multifix

*For fast, efficient retinal imaging*



***The 3rd generation of non-mydrriatic fundus camera.***



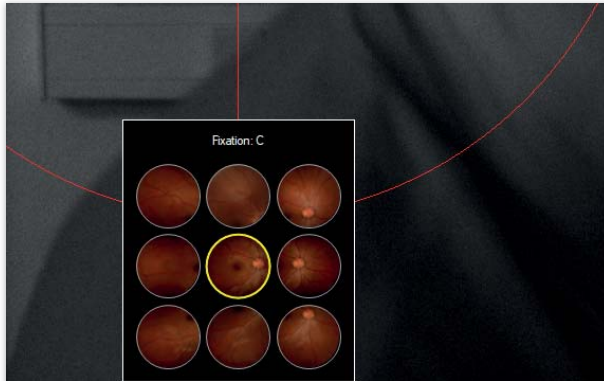
## cobra + multifix

*For fast, efficient retinal imaging*

Cobra+ is an easy to use, non-mydratic digital fundus camera.

It is able to capture images through a **very small pupil** diameter (2.5mm).

The integrated digital camera produces high resolution retinal images up to a **50 degree** visual field.



### multifix

Cobra+ has **9 internal fixation** points which facilitate the capture of the peripheral retina providing easy to acquire panoramic images.

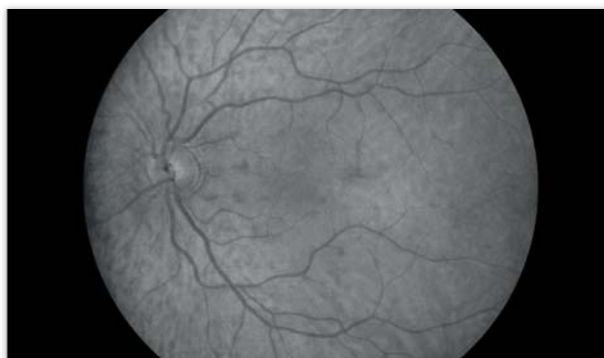
Images can be transferred to the **Phoenix software** platform for analysis and review.



### Mosaic Function

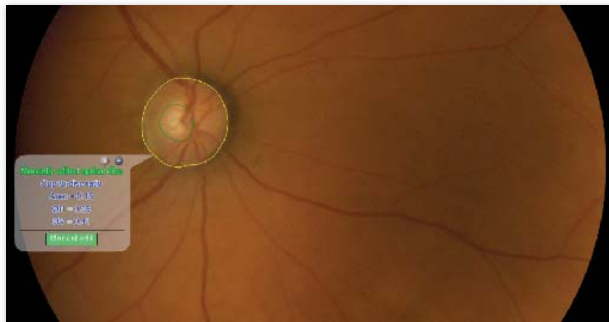
The **mosaic** feature allows wide field imaging for full fundus analysis.

Cobra+ can capture multiple images which can be combined together **automatically** to create a panoramic image of the peripheral retina.



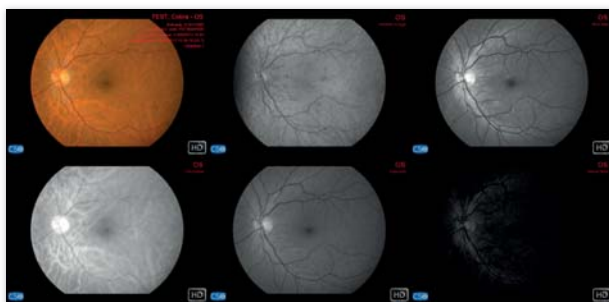
### Infrared Image Acquisition

The image is acquired using a low flash level and infrared light, producing a very detailed image of the retina.



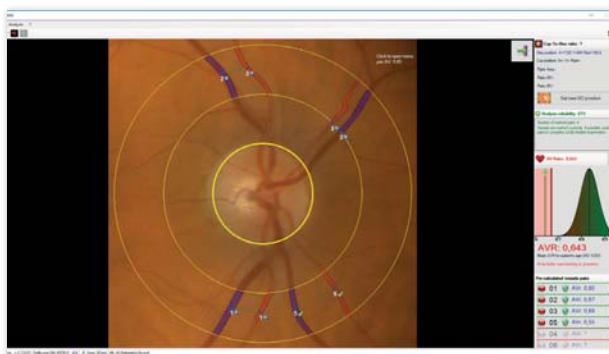
### Cup To Disc Measurement

The cup to disc ratio can easily be identified via the automatic CD measurement tool which is integrated to the Phoenix software. The automatic measurement can be manually edited thus providing meaningful data in **glaucoma detection** and management.



### Colour Channel Splitting

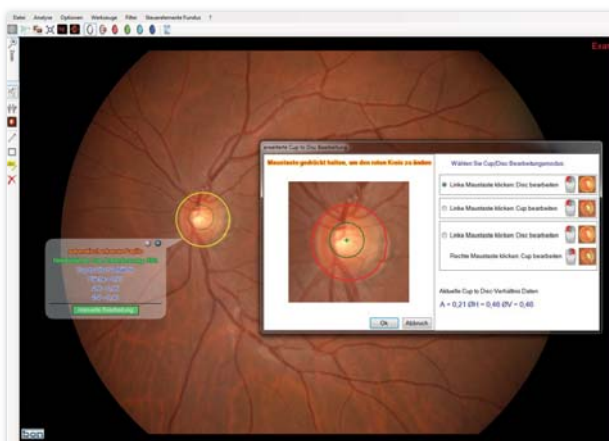
Multiple wave-length images can be displayed on one screen: the original image, infrared image redfree image; as well the choroidal, vascular and nerve fiber images.



### AVR Evaluation Module

The **optional** AVR tool measures the ratio between the branch arteriolar-venous diameter.

A low ratio between the dimension of the vessels may be predictive of cardiovascular problems in adult patients.



### The Phoenix Software Imaging and Archiving Features

The software incorporates a wealth of **editing functions** including zoom effects, color control, in picture measurement, C/D ratio, drawing (text / objects can be inserted), edge enhancement, red-free and channel splitting, gamma control and filtering, comparisons, overlay images, up to **6 picture comparison**, automatic mosaic mode, picture overlay etc.

A number of **reports** can be generated and saved to the patient data card. The images can be **exported** in a choice of formats. Phoenix is fully compatible with **DICOM**.

The Phoenix software platform supports a suite of diagnostic devices including the *Antares* Topographer, the *Sirius* Scheimpflug Camera, the *Digi Pro* digital slit lamp and the *Perseus* specular microscope. Seamless diagnostics with one data base.

## **Technical Data Cobra+ multifix**

Data transfer	USB 3.0
Power supply external power source	24 VCC In: 100-240Vac - 50/60Hz - 0.9-05A Out: 24Vdc - 40W Power net cable with plug C14
Dimensions (HxWxD)	420 x 315 x 255 mm
Weight	6 Kg
Chin rest movement	70 mm ± 1mm
Minimum height of the chin cup from table	24cm
Base movement (xyz)	105 x 110 x 30mm
Working distance	20mm
Light Sources	Auxiliary IR Led @850nm White flash Led @450-650nm
<b>Retinography</b>	
Spherical correction	from -15D to +15D
Image resolution	2448 x 2051 (5 MPixel)
Visual field	50° x 45°
Minimum pupil size	2.5 mm
Fixation points	Internal (1 central 8 peripheral)
Compatibility with standard	DIN EN ISO 10940:2009, DICOM (IHE integration profile EYECARE Workflow)
<b>Minimum System Requirements</b>	
PC:	4 GB RAM - Video Card 1 GB RAM (not shared) resolution 1024 x 768 pixels - USB 3.0 type A
Operating system:	Windows XP, Windows 7 or Windows 10 (32/64 bit).