



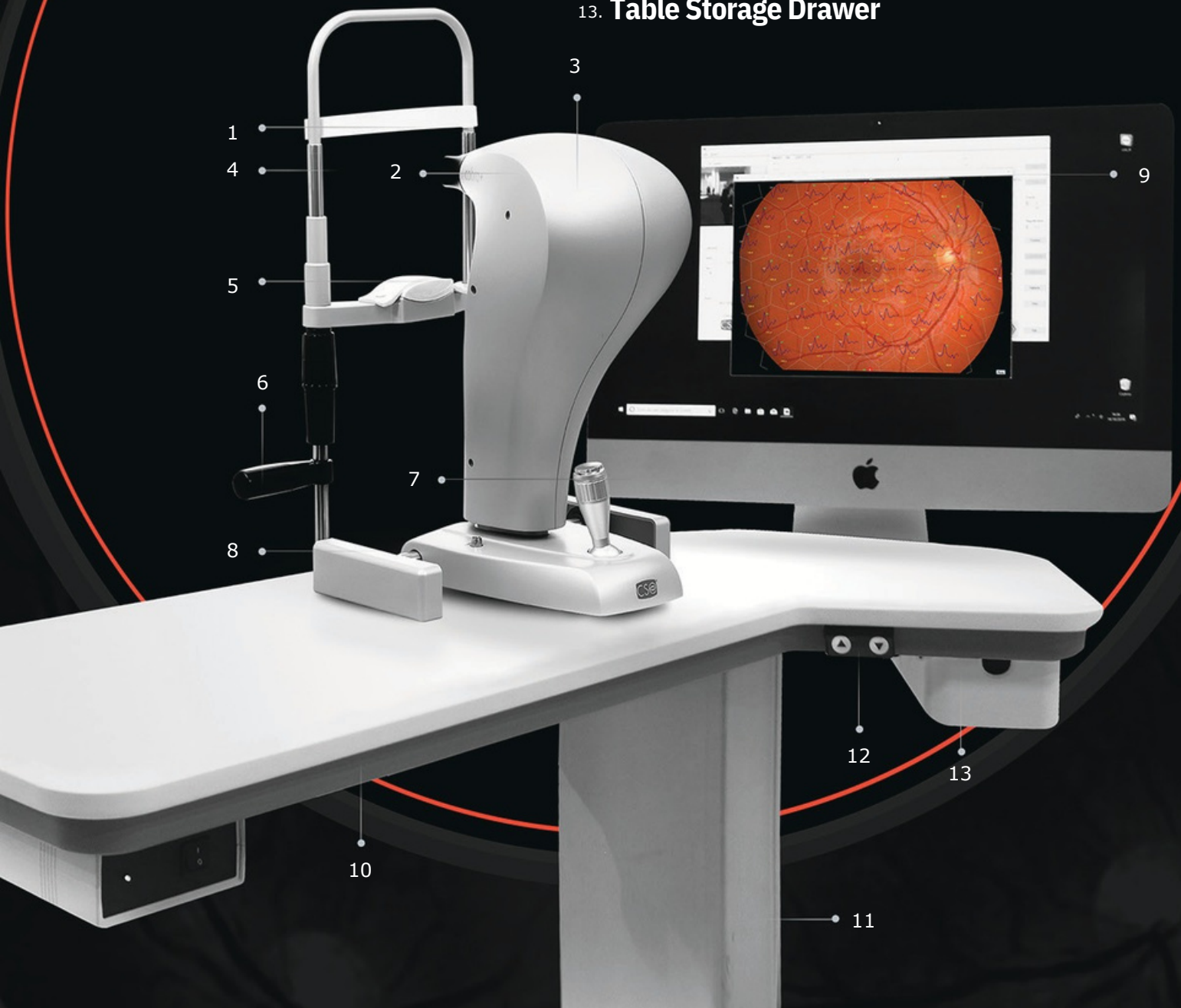
Retinal Camera

COBRA PLUS



COBRA PLUS

1. Head Rest
2. Optical Lens
3. Instrument
4. Fixation Point
5. Chin Rest
6. Chin Rest Hand Held
7. Joystick
8. Guide Guards
9. Personal Computer (Optional)
10. LIFT 02 - Table Top (Optional)
11. Electrical Stand (Optional)
12. Table Up / Down Control
13. Table Storage Drawer





Retinal Camera

COBRA PLUS

The Cobra + is a non-mydiatic fundus camera that comprises all the functions required for a rapid screening of the status of the retina. This ergonomic design provides a clear and detailed image of the ocular fundus with a field of vision of up to 50°.



Advanced Technology

Cobra+ has 9 internal fixation points that allows to capture panoramic images of the peripheral areas. Cobra+ also can record simultaneously colour and infrared images through a CCD high resolution sensor.



High Precision Measurements

Cobra+ uses a manual acquisition and electronically guided joystick to ensure precise focus control and repeatability measurements for multiple fixation points.



Phoenix

The Cobra Series uses an advance software platform called "Phoenix" which allows the patients data to be saved for future review and analysis.

Multiple wave-length images can be displayed on one screen such as: MGD analysis, choroidal, vascular, nerve fiber, infrared and red-free images.

LIFT 02

Electrical Table - Not Included



Optional Tabletops

Available Colors

Data Communication

USB 3.0 connection between the device and the PC enables a fast, easy transfer of the images, and saved in the Phoenix patient management software.

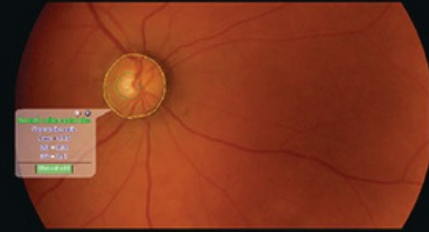


AVR evaluation module (optional)



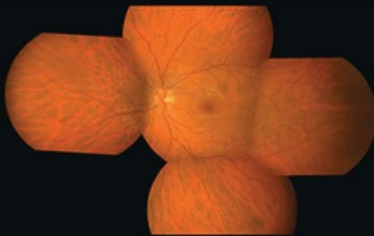
The AVR tool measures the ratio between the branch arteriolar-venous diameter. A low ratio between the dimension of the vessels, may be predictive of cardiovascular problems in adult patients

Cup to disk measurement



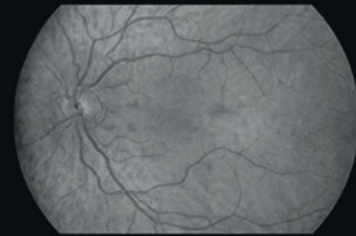
The measurement of the Cup to Disk ratio is easily achieved using the built in measurement tools that are available in the Phoenix software platform for the detection of glaucomatous disease.

Mosaic function



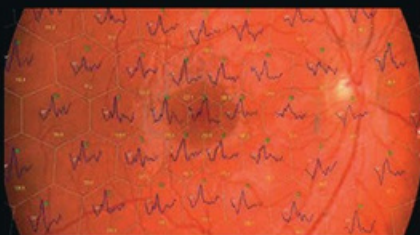
The COBRA+ can capture multiple images up to 50° field of view) which can be combined together in order to create a panoramic image of the peripheral retina.

AVR evaluation module (optional)



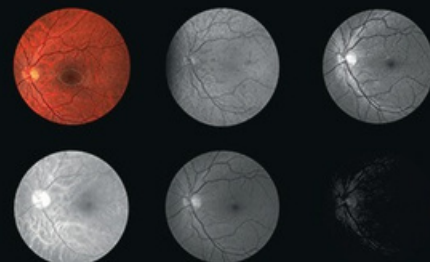
Multiple wave-length images can be displayed on one screen: the original image, infrared image red-free image; as well the choroidal, vascular and nerve fiber images.

Integration tool with ERG test



COBRA+ retinal fundus images can be combined with the multi focal ERG test, performed with the RETIMAX device. This new module provides a precise indication of the functionality of every analyzed retinal area (useful for follow-up of Macular Degeneration and degenerative hereditary retinal diseases).

Multiple wave-length images



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



Retinal Camera

Product Specifications COBRA PLUS

Measurements

Image Resolution	2448 x 2051 (5M Pixel)
Working Distance	20mm
Dimension	420mm (w) x 315mm (l) x 255mm (h)
Shelf Size	380mm (w) x 500mm (l)
Weight	6kg
Base Movement	105mm (w) x 110mm (l) x 30mm (h)
Field of View	50 x 45

Light Source

Auxiliary IR	LED @850nm
White Flash	LED @450-650nm

Notes

Operating Environment	Temperature	-10 C ~ +35 C
	Humidity	30% ~ 90% RH
	Atmospheric pressure range 800 hPa ~ 1060 hPa	
Storage and Environment Condition	Temperature	-10 C ~ +55 C
	Humidity	10% ~ 95%
	Atmospheric pressure range 700 hPa ~ 1060 hPa	
Shipping Condition	Temperature	-40 C ~ +70 C
	Humidity	10% ~ 95%
	Atmospheric pressure range 500 hPa ~ 1060 hPa	
Vibration	10Hz @ 500Hz, 0.5g Shock 30g Duration 6ms, Bumb 10g Duration 6ms,	

Product Type

Frequency Range	80MHz - 800MHz
-----------------	----------------

Additional Accessories

Isolation Transformer	230V / 230V
-----------------------	-------------

Motor Driven Telescopic Column | SCHUMO AG, Model TES2 23 / TA0113
X20 400238Z

