



OSIRIS-T

Aberrometer & Topographer



LIFT 02

Electrical Table (Optional)



Tabletops

Available Colors



Features:

- Osiris -T has the ability to measure high order aberrations and topography calculations of the internal component of the wave-front.
- Osiris-T is a total ocular aberrometer, and is indispensable for the correct evaluation of critical patients who have, in addition to traditional low-order defects, even more complex ocular aberrations.
- Osiris-T has a unique design that enables it to measure aberrations with a resolution of 45,000 points (at the maximum pupil diameter), with a wide dynamic.
- Osiris-T is also able to measure the total wave-front in real time with a frame rate of up to 33 images per second: this makes it possible to measure and view changes in power and aberrations while the patient is accomodating.



Product Introduction

Aberrometer + Topographer

OSIRIS-T



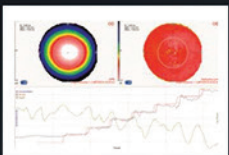
Aberrometer & Topographer

Osiris-T has a unique design that enables it to measure aberrations with a resolution of 45,000 points and topographer system based on a 22 ring Placido disk.



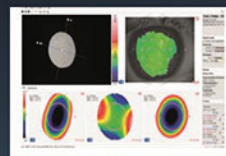
Software Phoenix

Osiris-T uses Phoenix software platform allowing patient data to be saved for future review and analysis, shared by all CSO devises.



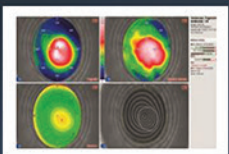
Dynamic Accommodations

Real-time measurements of the ocular wave-front with customizable exam modes (ramps or square waves) to evaluate patients the ability to focus.



Toric Lens Assistant

Osiris-T aberrometer makes it possible to distinguish whether any asitigmatic residue is due to a rotation of the lens or to an incorrect calculation.



Analysis Software for Aberrations

The Phoenix software offers a wide range of analysis options such as refractive error maps and visual stimulations (PSF, MTF and with optotype).



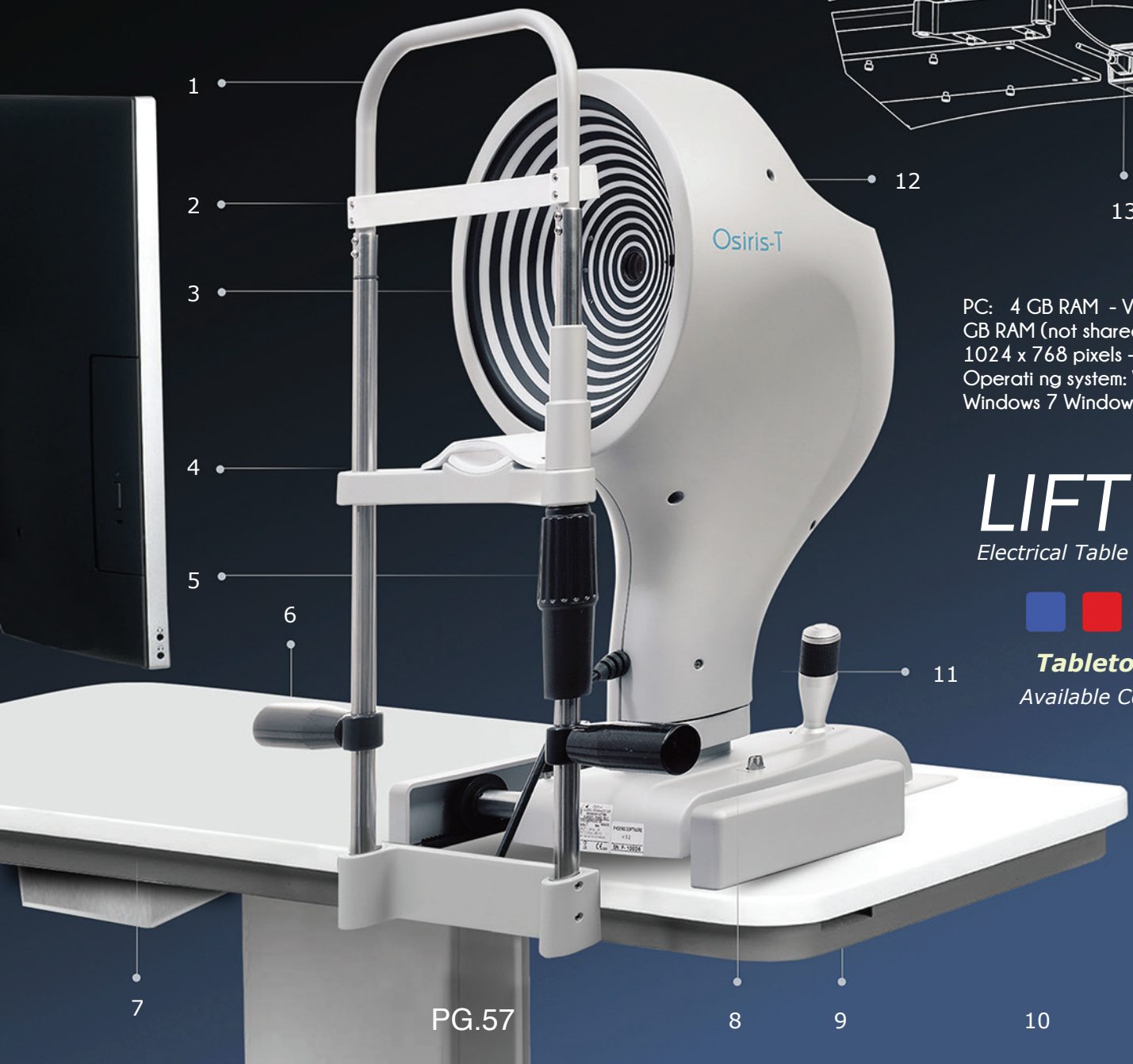
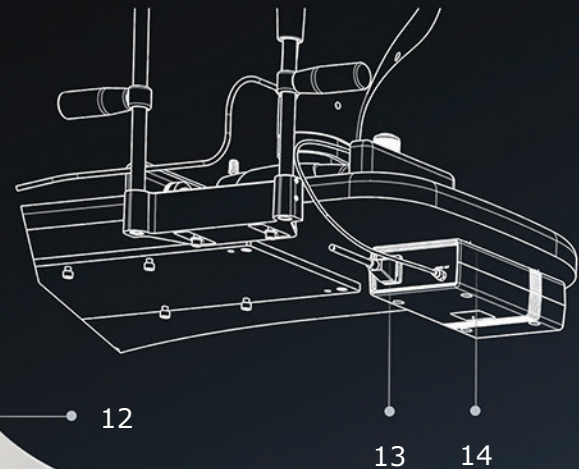
Densitometry

Osiris-T can acquire backlight images without reflections in order for an assesment of cataract and optical media opacity evaluation.

OSIRIS-T

Aberrometer + Topographer

1. Chinrest Module
2. Headrest
3. Capturing Channel
4. Chinrest Support
5. Chinrest Adjuster Knob
6. Handrest
7. Drawer
8. Guide Guard
9. Power In
10. LIFT Electrical Tables
11. Joystick (Capturing Trigger Button)
12. OSIRIS -T instrument
13. Main Supply Cable
14. Switching Adapter (Data Nameplate)



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 Windows 10 (32/64 bit).

LIFT 02

Electrical Table (Optional)



Tabletops

Available Colors

OSIRIS-T

Aberrometer & Topographer



Product Specifications



Technical Data

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)	515 x 315 x 255mm
Weight	6.9Kg
Chin rest movement	70mm ± 1mm
Minimum height of the chin cup from the table	24cm
Base Movement (xyz)	105 x 110 x 30mm
Working distance	74mm

Light Sources

Aberrometer	Led @850nm
Fixation	Led @450-650nm
Placido	Led @635nm
Pupillometry and auxiliary	Led @780nm

Aberrometry

Points measured at maximum pupil	45000
Spatial resolution	41µm
Pupil size range	2-9mm
Dioptric range	Sph from -25D to +15D; Cyl up to 10D
Repeatability	0.05D on test eyes

Topography

Placido rings	22
Measured points	5632
Topographic covering (in 43D)	10mm
Dioptric measurement range	from 1D to 100D
Measurement accuracy	Class A according to UNI EN ISO 19980-2012
Compatibility with standard	DICOM v3