



#### General Information

Size	41cm x 40cm x 60cm – 16" x 16" x 24"
Weight	18 kg – 40 lbs
Power Supply	100 to 240 VAC – 50/60 Hz
Input Current	0.3 to 0.8 A
Class	Class I Measuring (MDD 93/42/EEC)
Type	Type 1B (according to IEC 601-1)
Pupil Tracking and Auto-focus	IR LEDs
Lamp for Color Image	Xenon flash lamp
Image Storage	External computer (via network connection)
Ambient Operating Temperature	10/40° C – 50/104° F
Ambient Operating Humidity	30% to 90% (non-condensing)

#### Technical Information

Field of View	45°
Magnification Zoom	1:1 52x (on a 17" screen @ 1024 x 768)
Optical Resolution	7µm
Working Distance	26.5mm (lens to eye)
Minimum Patient Pupil Diameter	3.8mm

IMAGINE WHAT'S NEXT . . .

Medical Device Directive 93/42/EEC  
 Caution: U.S. federal law restricts the device to sale by or on the order of a physician or other licensed practitioner. The process of making a diagnosis shall involve an eye doctor.  
 Manufactured by Nidek Technologies Srl, Albignasego (Padova), Italy.  
 Specifications are subject to change for improvement without notice.



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Rev. 070901

RETINAL IMAGING MADE EASY



## Effective EYE-HEALTH SOLUTIONS . . .

The new ORION AutoRetinal Imager is the first in a series of Nidek *AutoEase*™ products. This automated, non-mydratic instrument requires minimal operator involvement to perform essential fundus imaging.

No other instrument compares to Nidek's ORION for ease of use. It senses the presence of a patient and uses simple voice instructions in order to capture and combine images representing different fields of the retina. A network connection links ORION with a computer for automatic image capture, storage, and review. Additional attributes include:

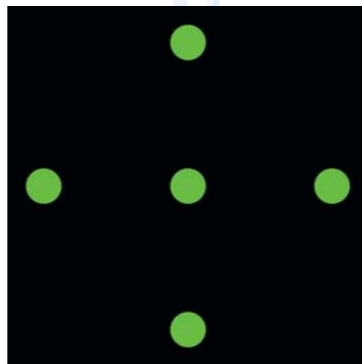
- High-resolution (7µm) digital color fundus images
- Minimum pupil size as small as 3.8mm
- Unique dynamic pupillometry
- Color and red-free pictures
- Results in under one minute per eye
- Unique multilingual voice-aided operation
- Ergonomic design and dim flash for comfortable patient testing
- Designed to fulfill the different needs of healthcare professionals
- Multiple connections to a single PC for high patient flow
- Automated refractive error compensation
- Remote exams reviewed by internet
- Easy to manage exams — export, print, and email
- Minimal service required
- NAVIS software included
- Flexible and powerful database

## AUTOEASE™ PATIENT-FRIENDLY TECHNOLOGY . . .

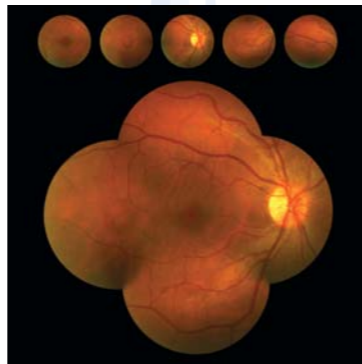
Nidek's *AutoEase*™ is a brand new concept in eye-care diagnostics. Designed for maximum efficiency and operational ease, the revolutionary *AutoEase*™ line of products offer instantaneous results with very little technician training. Voice activated *AutoEase*™ products require no joysticks, buttons, or other cumbersome operator interface, just a connection to an external computer.



The ORION senses the patient and guides them through the process with simple voice instructions.



An alignment/focusing pattern is utilized to ensure optimum retinal images.



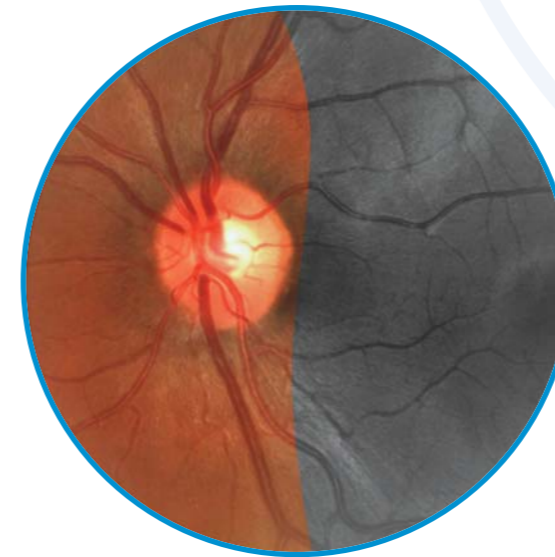
High-resolution fundus images are automatically captured and transmitted for review.

Good MORNING  
BUENOS DIAS  
BUON GIORNO  
GUTEN MORGEN

Voice instructions are available in many languages.

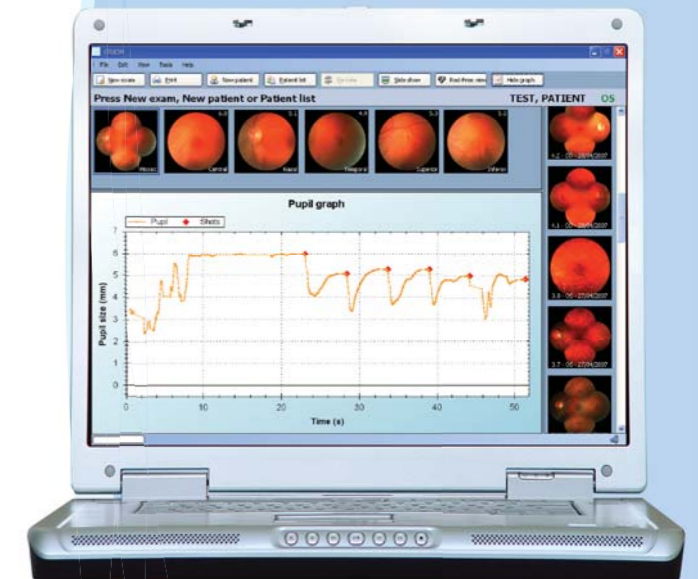


The ORION works in combination with an external computer, via a network connection for automatic image capture, storage, and review.



Available in color and red-free images, ORION's 7µm optical resolution\* allows a more precise interpretation of the data.

\* Optical resolution is more accurately described as the retinal area covered by every pixel rather than the number of pixels in a camera.



Dynamic Pupil Graph