

# GDxPRO™ Scanning Laser Polarimeter

Look beyond thickness and  
measure RNFL Integrity™

Scanning Laser Polarimetry (SLP) measures RNFL Integrity (RNFL-I™), structural information that goes beyond thickness. GDx™, the world's only Scanning Laser Polarimeter, uniquely characterizes RNFL Integrity by directly measuring structural organization throughout the RNFL.

- **Diagnose more patients confidently.**  
Enhanced Corneal Compensation (ECC™) delivers high quality scans on virtually all patients.
- **Acquire high quality scans with ease.**  
Simple-Touch Pupil Alignment and touch screen acquisition require virtually no operator experience.
- **Align images with precision.**  
Automatic Image Alignment ensures exceptional registration between scans, even across multiple visits.
- **Assess preperimetric glaucoma patients with confidence.**  
The Nerve Fiber Indicator (NFI) single number output has demonstrated superior performance in assessing patients suspected of having glaucoma<sup>1</sup>.
- **Identify fast progressors at a glance.**  
World-class Guided Progression Analysis (GPA™) allows you to assess speed of progression and risk of future vision loss on a single page report.
- **Maximize return on investment.**  
Designed for performance, productivity and portability – GDxPRO is affordable for any size practice.
- **Grow your practice** with Carl Zeiss practice management services.



<sup>1</sup> Medeiros FA, Vizzeri G, Zangwill LM, Alencar LM, Sample PA, Weinreb RN. Comparison of retinal nerve fiber layer and optic disc imaging for diagnosing glaucoma in patients suspected of having the disease. *Ophthalmology*, 2008; 115: 1340-6.



## Comparison of the new GDxPRO™ to GDxVCC™

The GDxPRO is the next evolution in GDx technology that is backward compatible with the last generation of GDx while also taking a leap forward in performance and workflow enhancements with ECC, GPA, AutoFocus and Touch Screen operation included as standard features.

User Features	GDxVCC	GDxPRO
<b>General</b>	<ul style="list-style-type: none"> <li>Scanning Laser Polarimetry (SLP) imaging technology</li> <li>Portability with unique optics lock-down feature</li> <li>Integrated design</li> <li>Non-mydriatic operation</li> <li>Windows® CE</li> <li>Supports printers available from and validated by ZEISS</li> <li>Exports files in SVG and HTML formats</li> <li>Connectivity available with review software</li> <li>Manual mapping to an assigned IP address</li> </ul>	<ul style="list-style-type: none"> <li>Scanning Laser Polarimetry (SLP) imaging technology</li> <li>Portability with unique optics lock-down feature</li> <li>Integrated design</li> <li>Non-mydriatic operation</li> <li><b>New</b> Windows® XP, SP3</li> <li><b>New</b> Prints to virtually any XP supported printer</li> <li><b>New</b> Exports files in PDF, TIFF or JPEG formats</li> <li><b>New</b> DICOM Gateway for compatibility with ZEISS networking solutions</li> <li><b>New</b> Automatic mapping to an automatically generated IP address</li> <li><b>New</b> Ability to browse the network; network neighborhood available</li> </ul>
<b>Acquisition</b>	<ul style="list-style-type: none"> <li>Omni-directional joystick</li> <li>Manual refraction entry</li> </ul>	<ul style="list-style-type: none"> <li><b>New</b> intuitive Touch Screen or mouse driven operation requires virtually no experience</li> <li><b>New</b> AutoFocus optimizes imaging position</li> <li>Manual refraction entry</li> <li><b>New</b> Live Fundus View ensures proper patient fixation prior to scan acquisition</li> <li><b>New</b> Simple-Touch Automatic Pupil Alignment and Touch Screen acquisition require virtually no operator experience</li> <li><b>New</b> Restart Alignment quickly returns the alignment back to the default setting</li> <li><b>New</b> Low Vision Target accommodates patients with compromised central vision</li> <li><b>New</b> Iris Image Check to rule out alignment issues after the scan</li> </ul>
<b>Analysis</b>	<ul style="list-style-type: none"> <li>Enhanced Corneal Compensation (ECC) targeted for 2009 availability</li> <li>Variable Corneal Compensation (VCC) available standard</li> <li>Guided Progression Analysis (GPA) available with GDx Review software</li> <li>Optional Screening Mode feature</li> <li>RNFL Normative database – VCC</li> <li>Nerve Fiber Indicator (NFI) – VCC</li> </ul>	<ul style="list-style-type: none"> <li><b>New</b> ECC available standard</li> <li>VCC available as an alternate analysis mode</li> <li><b>New</b> GPA available standard with two options: Fast mode or extended mode</li> <li><b>New</b> RNFL Normative database – ECC</li> <li>RNFL Normative database – VCC</li> <li><b>New</b> Nerve Fiber Indicator (NFI) – ECC</li> <li>Nerve Fiber Indicator (NFI) – VCC</li> </ul>

Technical Specifications		
Field of view	40 x 20 degrees	40 x 20 degrees
Processor	≤ 266 MHz processor	≥ 2.2 GHz processor
Video monitor	6.4" screen with 800 x 600 resolution	8.4" screen with 800 x 600 resolution
Minimum pupil diameter	0.08" (2 mm)	0.08" (2 mm)
Ametropia correction	-10 to +5 diopters	-13 to +8 diopters
Dimensions	24" L x 10" W x 14" H ( 61.0 x 25.4 x 35.6 cm )	25" L x 12" W x 16" H ( 63.5 x 30.5 x 40.6 cm )
Weight	45 lbs. (20.41 kg)	50 lbs. (22.68 kg)
Media	Floppy	DVD-RW
Peripherals interface	1 Parallel port	4 USB ports
Electrical requirements	100–240 V ~ 50/60 Hz	100–240 V, 50/60 Hz
Product safety	Complies with the following standards: IEC 60601-1, UL60601-1 CSA C22.2 No. 601.1-M90	Complies with the following standards: IEC 60601-1, UL60601-1 CSA C22.2 No. 601.1-M90

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