



Pristine Neubo 130

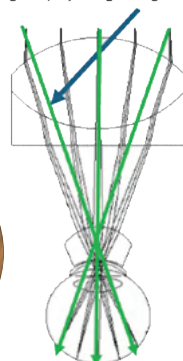
The World's First AI-Enabled Ultra-Widefield Imaging System with Uniform Peripheral Illumination for ROP and Pediatric Retinal Care



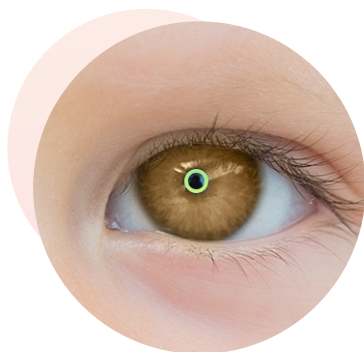
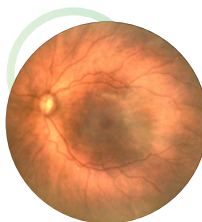
Through-the-Lens Illumination

Light-Shaping Technology delivers annular ring, through-the-lens illumination for uniform retinal brightness and minimal peripheral fall-off or reflections.

Light is projecting through the lens



Through the lens illumination design

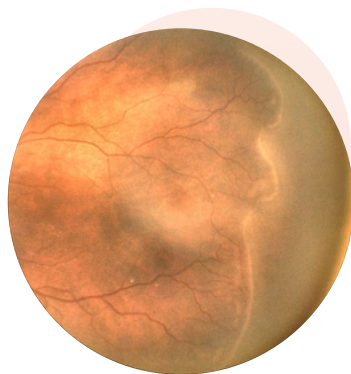


Small-Pupil Ready (≥ 3 mm)

Advanced optical and illumination design enables high-quality retinal imaging through pupils as small as ~ 3 mm.

Brighter Periphery

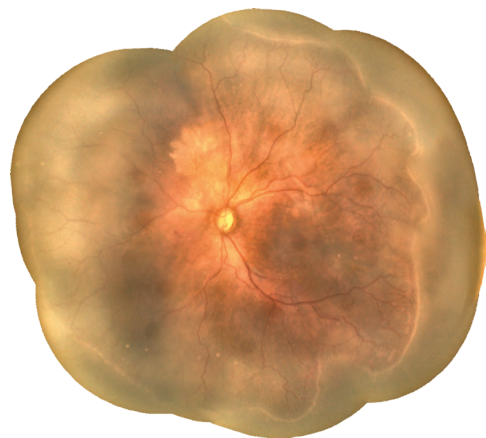
Powered by Peri Vision Imaging, uniform peripheral illumination and high intrinsic contrast maintain clear visualization of ridges, disease areas, and avascular zones—critical regions for treatment decisions. The 130° FOV minimizes peripheral glare, providing unmatched clarity for precise diagnostics and treatment planning.



Telemedicine and Cloud

Review, triage, and share securely for faster treatment.





Auto-Montage & Manual

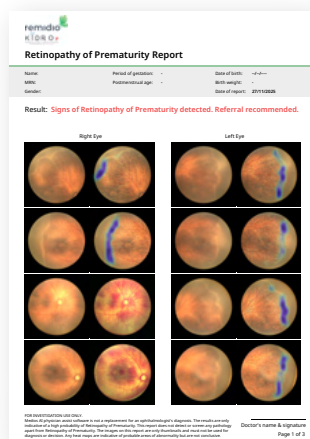
Automatic alignment and blending of steered gazes into a single panoramic view; switch to manual pins if you prefer hands-on control.

Offline AI

Enhance your screening with MediosHI offline ROP AI. It enables real-time, on-device analysis to identify any ROP and plus disease—streamlining the workflow and safeguarding patient data. The clinician always retains diagnostic control.

ROP AI currently using for research purposes

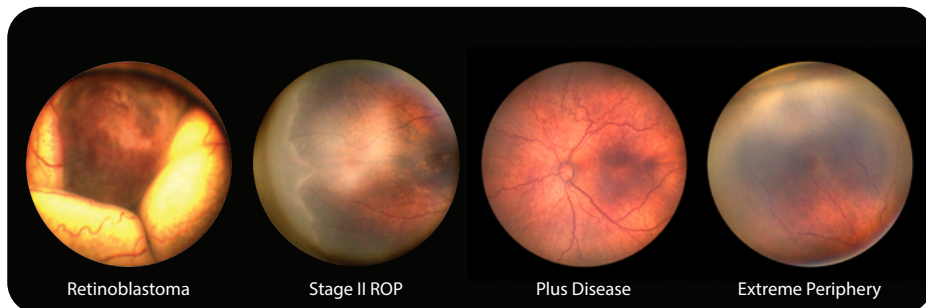
"Divya Rao & Anand Vinekar et al, Frontiers in Pediatrics, 2023 Sep 19;11:1197237".



Ultra wide-field imaging (130 degree)

Neubo delivers comprehensive retinal visualisation in a single capture, facilitating early identification of subtle changes in newborn retina such as in ROP.

Neubo images



Product specifications

Model / Part no.	Neubo 130 / 1000010044
Field of view	130 degree
Imaging	Anterior (Adnexa) & Posterior (Retina)
Pupil size	≥3mm
Light source type	Warm white LED
Adjustments	Light intensity, Focus and Capture
Image resolution	2.4MP (1936x1216)
Camera sensor pixel size	5.86micron
Operating system	Mac OS, M4 chip, 13.6 inch liquid retina display,16 GB memory, 256 GB storage
Weight	
- Probe	≤ 600g
- Probe + Docking station	≈ 4.1Kg
- Overall weight with trolley	≈ 10.5 Kg



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Neubo 130 , Sales Brochure

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