Designed for Mobility.
Built for Screening.

Handheld, Non-Mydriatic Retinal Imaging System

Empowering Eye Care
Professionals with Clinical
Efficiency and Mobility

3nethra pico

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The 3nethra pico is a compact, non-mydriatic imaging device that captures high-quality posterior and anterior retinal images using a 6.4 MP camera. Designed for mobility, it features a touchscreen display and an ergonomic design with Liquid Lens Technology for fast, precise autofocusing. Powered by FH-POISE* and FH TeleCare*, it enables AI-assisted screening for early detection.

Key Features

✓ **Imaging Modes**
Captures high-resolution posterior and anterior segment images.

✓ **Portable and Lightweight**
Weighs ~1000 g with ergonomic handheld design — ideal for clinics, outreach programs, and home-based screenings.

✓ **Auto-Focus Imaging**
Built-in auto-focus powered by Liquid Lens Technology ensures sharp, consistent images.

✓ **Wireless Connectivity**
Wi-Fi enabled for FH TeleCare configuration or data transfer.

✓ **Onboard Storage**
Internal memory supports storage of up to 400 images

✓ **FH-POISE***
Delivers AI-powered insights for signs of diabetic retinopathy, glaucoma, and other abnormalities at the point of care.

✓ **Non-mydriatic Operation**
Enables clear retinal imaging for faster turnaround.

✓ **Fully Integrated System**
Operates without the need for external phones, tablets, or computers — with onboard display, storage, power, and connectivity built in.

✓ **Touchscreen Display**
4″ integrated color display enables real-time image review and intuitive operation.

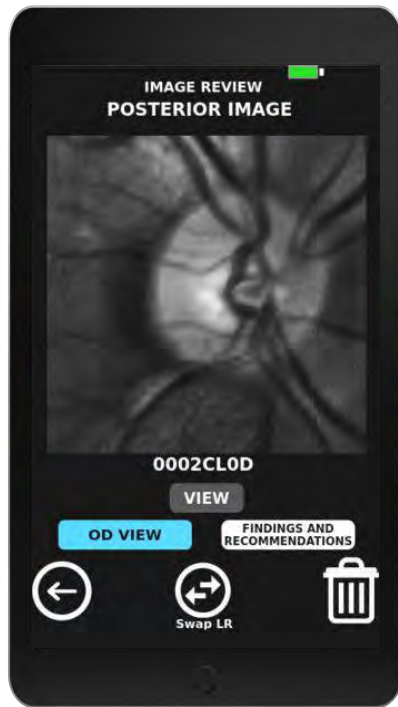✓ **Rechargeable Battery with Docking Station** Li-ion battery supports extended field use; docking station ensures device readiness during mobile workflows.
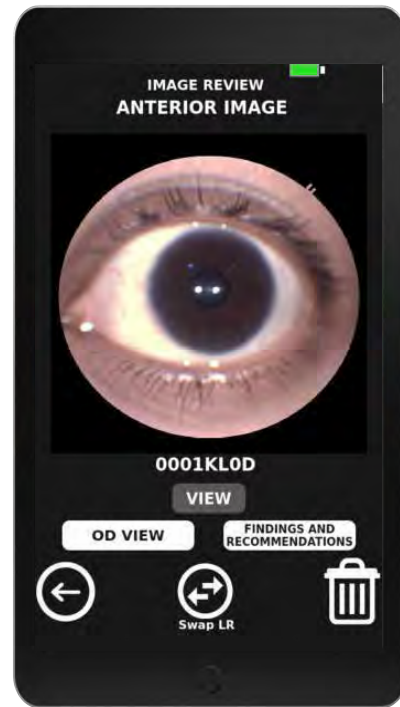
✓ **FH TeleCare***
Enables remote eye screenings and consultations, enhancing accessibility and efficiency in teleophthalmology.

*Available as an add-on

Fundus Imaging:

Zoomed View of
the Optic Disc

Corneal Imaging under
Diffused Illumination

Tab View Image

Technical Specifications:

Feature	Specification
Sensor Resolution	CMOS-based 6.4 Megapixel
Field of View (FOV)	40°
Minimum Pupil Diameter	≥ 3 mm
Focusing Modes	Auto / Manual
Refractive Power Compensation	±20D
Observation Light Source	Infrared LED
Flash Source	White LED (short flash of light)
Power Source	Rechargeable battery (~8000mAh)
Charging Time	3 hours
Continuous Operation	~4 hours+
Display	4″ Capacitive Touch Integrated Display, 480 × 800 Resolution
Dimensions (H x W x L)	255 mm x 90mm x 275 mm
Handheld Camera Weight	1000 g
Docking Station Weight	1600 g
Connectivity	Wi-Fi
Telemedicine Compatibility (FH TeleCare*)	Yes - supports Windows, Android, iOS
AI Compatibility FH-POISE*	Yes

*Licensed feature to be purchased separately