

RetCam₃

The Wide-field Digital Imaging System
for the Hospital and Clinic



Innovation Built on Proven Performance

Clarity is pleased to introduce the RetCam 3, our advanced, fully integrated system that delivers the next generation of ophthalmic visualization, photo documentation, and ease of use.

Unsurpassed Photographic Detail

The RetCam 3 enables the capture of brilliant, full color images that can be used for immediate assessment of the retina and anterior chamber. Stunning digital images can be sent electronically to the ophthalmologist for immediate interpretation, and tracked longitudinally over time.

Five Interchangeable Lenses

- 130° - pediatric retina; pediatric and adult anterior chamber
- 120° - pediatric and young adult
- 80° - high contrast pediatric and adult
- 30° - high magnification
- Portrait – external imaging

The Power of Digital Photo Documentation:

- Delivers objective, interpretable detail
- Captures structural elements to facilitate physician review and follow up
- Is reproducible and can be used for clinical consultations
- Serves as an effective educational tool for both staff and parents
- Provides reliable, defensible medico-legal documentation



New Ergonomic Hand Piece

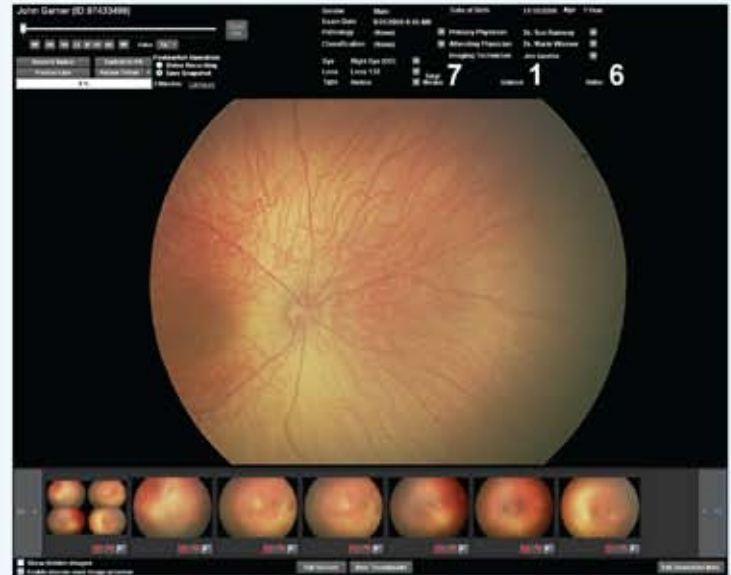
The new ergonomic hand piece enables comfortable handling and hand manipulation for easier image capture.



New User Interface

The RetCam 3 user interface has been completely redesigned for ease of use and intuitive operation. Common user functions have been standardized and integrated, reducing the number of screens and clicks required to perform each task. The new interface simplifies the workflow and makes the imaging session easy for users of any skill level.

- Brilliant, color images can be viewed in full-screen mode for maximum visualization of detail.
- Thumbnails are available for all images captured in an exam. Mouse-over preview enables instant enlargement for quick review.
- Exam Review allows side-by-side comparison of images from any patient exam.
- Fluorescein Angiography mode provides customizable on-screen information display, including timer, frame number, and frame rate.



New Integrated Patient and Exam Management

- At-a-glance listing of patients with advanced patient search capability. Search by patient, doctor, pathology, exam date and more.
- Conduct common operations from a single screen – add new patients or exams, edit, review, print, and import/export images
- View drop down thumbnails of multiple exams and multiple patients

New Import/Export Features

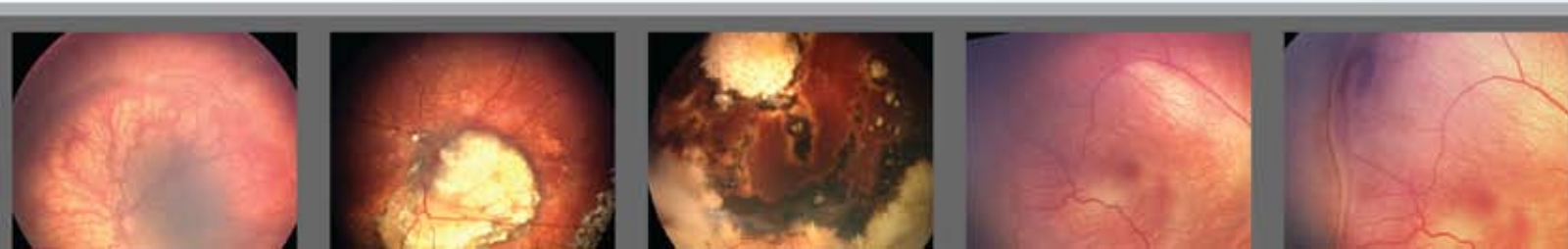
- Patient files are now DICOM compatible for transfer into your EMR system
- File names and export locations can be customized for improved organization and back-up operations
- Newly imported patient files are uniquely marked for easy identification

New Image Annotation

Now you can draw discrete lines, enter notes, and encircle any area on captured images

New Advanced Imaging Capability

- Save full-resolution videos. Extended video duration allows 2-minute recording.
- Still photos can be captured individually, during video recording, or extracted from a video after the exam.
- Both stills and videos are saved as thumbnails during the imaging exam. Select thumbnails for quick-reference viewing or mark for deletion when closing the exam.



Transmission of Images with the RetCam 3

Send images across the hall or around the world.

The RetCam 3 and RetCam Review Software enables trained staff to capture digital photographs in the hospital and send them electronically for review by a qualified physician.

Networking with the RetCam:

- Enables photographic imaging in remote areas
- Reduces unnecessary travel for both premature infants and qualified examiners
- Facilitates focus on patients who require timely exams and follow up



Technical Specifications

Computer

Operating System	Windows XP Embedded
Processor	Pentium Dual Core 2.4GHz
Connectivity	LAN/Multi USB
Hard Drive	120 GB
System Memory	2.0 GB

Patient File Import / Export

Windows File Transfer Clarity format and or Ophthalmic DICOM

Imaging Cart

Footprint	21" x 23"
Work Surface Height	41"
Work Surface Area	230 sq-inches
LCD Monitor	19 inch
Casters	Durable; 2 locking
Cord Wraps	Handpiece cabling and Power Cord
Batteries	15 minute back-up during imaging
Printer	Combination Text and Photo Printer

Accessory Storage Drawers
Fluorescein Angiography Capability



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