

## Retinal Imaging. Re-imagined.

A wide-angle, hand-held retinal imaging system that delivers stunning, high-resolution, high-contrast images - on both light and dark retinas



- Easily maneuverable, cart system
- Image on battery for up to 6 hours
- Ideal for the operating room and high volume imaging
- Powerful, intuitive software
- Unique cleaning features make infection control easy and trackable
- Enterprise-grade security built-in with a hardened version of Windows, encryption, user management, and audit logging
- Ready for integration with healthcare information systems with included DICOM connectors



## Specifications: IMAGE CAPTURE

ILLUMINATION	Direct Illumination™, designed for high resolution and high contrast imaging while reducing scatter at the edge of the field of view
ZOOM	Real-time, on-screen zoom with ability to pan across the magnified field of view
LIGHT SOURCE: FUNDUS	Interchangeable white LED light module in hand piece
LIGHT SOURCE: IVFA	Interchangeable blue LED light module in hand piece for fluorescein angiography
FILTER SELECTION	Easily activate barrier filter selection in the hand piece, for fluorescein angiography imaging (no disassembly required)
LENS	Single lens provides 100-degree wide field of view for retina survey, allows uniform illumination without loss of light in the vitreous, and allows for imaging without age restriction
DISINFECT AT THE SYSTEM	Mitigate damaged lenses using the hand piece holster with disinfection cup and clean in multiple levels with an audit log on the system.
CONTROLS	Keyboard, foot pedal, and touch screen, including illumination and gain controls to optimize image quality and patient comfort
SAVE ON CAPTURE	Images and videos save when captured allowing for later review to fit your workflow and patient needs.
IMAGE ROTATION	Rotate the image in the software for unencumbered imaging if you can't be at the head of the supine patient (like a CPAP baby in the NICU)
VIDEO STREAMING	30 fps
VIDEO CAPTURE	Up to 2 minutes of 15 fps video, with single frame export option
CAMERA GAIN	0 – 48 dB
SENSOR	Low-noise 3 megapixel CMOS sensor matched to optical resolution of patented optics system
IMAGE EXPORT OPTIONS	6MB Raw (TIFF) with and without patient data JPEG (compressed) with or without patient data DICOM with patient data

## PACS/RIS INTEGRATION

IMAGE TRANSFER	Easily export images for automatic transfer to a DICOM-compliant PACS using C-STORE
FAIL-OVER	Support a secondary PACS for auto fail-over if primary PACS is unavailable
CONFIGURABILITY	Configure AET, IP address, ports, transfer syntax and other key DICOM parameters
LOGGING	Log of all image transfers with send status, date, and time
MODALITY WORKLISTS	Download modality worklist from PACS/RIS and eliminate patient data entry on the Phoenix ICON Camera

## COMPUTER AND CART

WEIGHT	140 lbs. overall
FOOT PRINT	20" x 24" with 4 locking wheels
HEIGHT	Adjustable 52" to 66" motorized lift adjusts to sitting or standing clinician
STORAGE & WORK SURFACE	18" by 14" work surface with pull-out drawer for storage
BATTERY	The battery will image up to 6 hours so the system can be moved freely through the OR or NICU without risking a tripping hazard
DISPLAY	21.5" touch screen 1920 x 1080 resolution
PATIENTS	Approved for general ophthalmic imaging
COMPUTER	2.4 GHz, 16 GB of 1600 MHz RAM, 2 TB hard drive, accelerated graphics processor
OPERATING SYSTEMS	Hardened Windows 10 IoT
I/O PORTS	USB 3.0 and RJ-45 Ethernet
FIREWALL	Built-in software firewall enabled
ELECTRICAL	220V or 110V AC 50-60 Hz city current

## WARRANTY

INCLUDED WARRANTY	2 years
ADDITIONAL WARRANTY	3rd year additional warranty available for purchase

