



## ADVANCED RETINAL IMAGING ON THE GO



### Care for More Patients with ICON GO - The Portable Imaging System with Patented Direct Illumination™

- ▶ **Smart Disinfection System**  
Provides high-level disinfection, including hands-free soaking for effortless multiple patient screening.
- ▶ **Retinal Imaging Freedom**  
Empowering practitioners to capture high-quality retinal images while providing freedom from traditional clinical constraints.
- ▶ **ICONnect**  
Integrated platform simplifying patient data input, connecting seamlessly with PACS/RIS, modality worklist, and image export.
- ▶ **DataLock**  
Advanced security framework incorporating a hardened Windows 10, data encryption, user roles, password protocols, and comprehensive audit logging.
- ▶ **GentleTouch Handpiece**  
Lightweight, ergonomically designed handpiece that employs LED technology, reducing stress on both the user's hand and sensitive newborn eyes.
- ▶ **Direct Illumination**  
Patented technology to provide high-resolution and high-contrast retinal imaging, minimizing backscatter especially on darkly pigmented fundi.

# 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)
CAPTURE MODES	Video, Still Image (color/monochrome), Flashback (save previous 2 sec of video), HDR, FA
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 or without patient data JPEG (compressed) with or without patient data DICOM with patient data

## PACS/RIS INTEGRATION

IMAGE TRANSFER	Easily export images for 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 ICON Camera

## COMPUTER AND COMPONENTS

WEIGHT	17.5 lbs., 37 lbs in transit case, 55 lbs overall shipping weight
FOOT PRINT	Unit suitable for table top use 16.8" x 12.7" x 2.2" (holster down), 19.7" x 12.7" (holster arm up-can overhang a table) 28" x 24" x 20" overall shipping dimensions
BATTERY	Includes a rechargeable battery and charger. Battery life: Up to 6 hours (may vary depending on use).
DISPLAY	16" high definition touch screen
COMPUTER	Included laptop with touchscreen, 16GB memory, 1TB hard drive
OPERATING SYSTEMS	Hardened Windows 10 Pro (Microsoft Surface Book) Windows 10 IoT Enterprise (Lenovo Laptops)
NETWORK	Optional WiFi (requires admin setup) and standard Ethernet connectivity
FIREWALL	Built-in software firewall enabled
ELECTRICAL	Operates on battery. Charges with 220V or 110V AC 50-60 Hz
SECURITY	Security event logging, operator usernames and roles, encryption, strong passwords

## WARRANTY

INCLUDED WARRANTY	2 years
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