Phoenix Technology Group introduces optical and software advancements for its Phoenix ICON wide-angle retinal imaging camera

Smaller, lighter hand piece delivers stunning images; improved DICOM connector eliminates data entry on camera, integrates with hospital and clinic workflow

Pleasanton, CA, USA, October 24, 2018 – Today, Phoenix Technology Group (Phoenix), a leading provider of advanced ophthalmic imaging solutions, announced two important improvements to its Phoenix ICON wide-angle retinal imaging camera: First, a lighter-weight imaging hand piece promises to make capturing stunning retinal images even easier while ensuring the same stunning images as the first generation. Second, a Winter 2018 software update will bring enhanced DICOM networking with support for modality worklists.

Using Phoenix's patented imaging technology, the upgraded Phoenix ICON hand piece is 20% lighter, has a 30% shorter barrel, and injects 40% less light into the patient's eye, while capturing the same stunning images as the first-generation Phoenix ICON hand piece – including images of darkly pigmented retinas. The upgraded hand piece supports interchangeable LED light modules, enabling bright field fundus imaging and fluorescein angiography. In addition, by slipping on the included diffuser, the hand piece can be used to capture high quality external images of the anterior segment.

Phoenix, the first in its category to implement DICOM networking, today expands its networking support with the addition of support for DICOM modality worklists. With this new feature, a Phoenix ICON camera operator can download the day's imaging procedures directly from a DICOM-compliant PACS. Clicking on a procedure automatically saves patient and study data, eliminating data entry on the camera. Captured images can be exported back to the PACS and automatically connected to the patient's record, saving time for the camera operator.

"Being a leading innovator in ophthalmic imaging solutions today means ensuring technology – both hardware and software – empowers our customers to spend more time on the clinical aspects of their roles in patient care," said J. Scott Carr, chairman and CEO of Phoenix. "We were able to reduce the hand piece size to improve usability without compromising image quality, and we are making it easy to smoothly integrate the Phoenix ICON into hospital and clinic patient information systems."

In addition to adding support for DICOM modality worklists, the Winter 2018 release of the Phoenix ICON software adds a full-screen image capture mode to allow the operator to focus

on the real-time image display. Also, the ICON DICOM connector has been more fully integrated into the ICON software, including easy configuration and real-time status displays for administrators. And, the release includes minor changes and bug fixes responsive to customer feedback.

About Phoenix Technology Group: Phoenix Technology Group (www.phoenixtech.com) contributes to the fight to prevent blindness by providing physicians, clinicians, and researchers around the world with advanced technology to image and understand the eye. Founded by Bert Massie, Ph.D., inventor of the first digital camera for pediatric retinal imaging, our journey began with the creation of the Phoenix MICRON platform for in-vivo imaging of animals in eye research. Today, the MICRON platform is the standard for researchers around the world, combining bright field imaging, image-guided OCT, CNV, and focal and Ganzfeld ERG. Our breakthrough innovations with the Phoenix MICRON platform led to us to reinvent wide-field retinal imaging for human clinical applications, resulting in the recently launched Phoenix ICON product line. The Phoenix ICON platform is a revolutionary retinal imaging platform delivering high-contrast, high-resolution images, with quality you can see. You'll find these breakthroughs inside the ICON platform: completely reinvented illumination, optics, and sensor technology, deployed on a modular platform that was designed from the ground-up for ease of use, reliability, and incredible image quality.

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