

NCTech unveils new 360 degree imaging developments for iSTAR camera

Company announces new measurement capabilities and colorization integration for FARO laser scanners

Edinburgh, UK and Houston, TX – April 5, 2016 – [NCTech](#), the developer of reality imaging systems, today announced two new developments for its industrial-grade [iSTAR](#) panoramic camera. The company will be demonstrating these developments at the SPAR 3D conference and tradeshow next week in Houston, Texas.

Designed for rapid 360 degree imaging, iSTAR is a panoramic camera that precisely captures full spherical immersive images and high resolution panoramic data streams for fast, efficient visual documentation of an environment. The new developments are as follows:

Measurement Module

NCTech has developed a new software development kit (SDK) for measurement. This enables iSTAR users to take measurements from directly within a spherical image by combining a 'stereo pair' of iSTAR images. NCTech is providing the SDK free of charge to enable third-parties to build the measurement capability into their own software.

With an accuracy of approximately 0.1 – 1% (i.e. 1-10mm across a 1m length), the measurement capability is intended for applications in architecture, surveying, construction and forensics. Key benefits to these markets include iSTAR's high speed of capture and the ability to rapidly cover large areas on-site and take measurements later.

"In situations that do not require the accuracy of a laser scanner, being able to quickly capture reasonably accurate point-to-point measurements from within an iSTAR panoramic image is a very useful capability," said **Neil Tocher, CTO, NCTech**. "We have developed this SDK in response to customer enquiries who have indicated that a faster way to generate measurements would be of interest."

Arithmetica, the company behind the SphereVision suite of software, is one of the first to integrate the iSTAR SDK for measurement.

"By supporting the iSTAR we are now able to offer users of SphereVision Project Suite the ability to capture accurate measurements from 360 degree images captured in stereo pair mode with the iSTAR camera," said **Mark Senior, Business Development Manager at Arithmetica**. "This is in addition to the existing functionality that allows them to integrate maps, plans and layouts and enhance with links to other rich media such as video and audio to build an interactive view."

FARO scan colorization integration

NCTech's ColourCloud software has been integrated to allow direct import of raw image data from iSTAR to colorize scans captured by FARO laser scanners, all within the FARO SCENE software environment.

"We are committed to making colorization of laser scans as easy as possible, and the best way to do that is to ensure that users can do everything from within their familiar software environment," said **Cameron Ure, CEO, NCTech**. "This new integration for FARO users follows on from our recent Leica collaboration and we look forward to announcing further integration developments in due course."

Next week, NCTech is an exhibitor at SPAR 2016, located at booth 314. To book a interview or demo at SPAR, email media@nctechimaging.com

About NCTech

NCTech designs and manufactures leading 360 degree reality imaging systems that automate and streamline the workflow of image documentation and can be used repeatedly, accurately, consistently by anyone anywhere.

NCTech's industrial-grade camera, iSTAR®, is a fast, fully automatic, 50 megapixel, 360 degree HDR camera. Fully calibrated for high precision applications such as colourisation of laser scans or extracting photogrammetric measurements, iSTAR has multiple applications: from covert operations and police reporting of crime scenes to 3D laser documentation and asset management for the engineering and heritage sectors. In 2015, the company launched iris360, a non-calibrated camera system, intended for aesthetic panoramic image capture and fully integrated with Google Maps' new Street View app.

NCTech is headquartered in Edinburgh, Scotland and is funded by Archangel Investors Ltd and the Scottish Co-Investment Fund. For more information, visit www.nctechimaging.com

Notes to editors

Full product information, images and sample panoramas available at: <https://www.nctechimaging.com/istar/>

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