

Software Firms Add NCTech 360 Point-to-point Measurement Functionality



NCTech, a developer of reality imaging systems, has announced the integration of the Measurement Module for its industrial-grade iSTAR panoramic camera into offerings from software firms Arithmetica and Veesus.

The [Measurement Module](#) is delivered as an [NCTech SDK](#) and enables [iSTAR](#) users to take measurements from directly within a spherical image by combining a 'stereo pair' of iSTAR images. The accurate measurements generated are valuable for applications such as asset management, construction, forensic evidence collection and surveying. 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.

The NCTech SDK is provided free of charge to enable third-parties to build the measurement capability into their own software and become part of the new "NCTech Integrated" partner community. Arithmetica is one of the first software developers to integrate the Measurement Module into its SphereVision Project Builder software.

360 imaging

SphereVision Project Builder allows users to create truly immersive and interactive 360 degree environments with integrated documents, plans, and layouts as well as additional visuals and audio, said Mark Senior, business development manager at Arithmetica. The ability to easily capture and share measurements from iSTAR imagery takes professional applications of 360 imaging to the next level, he believes.

Veesus is the developer of the Arena4D software range, providing a cross-platform point cloud rendering engine for viewing and editing large point cloud data sets in 3D. Veesus has initially integrated the Measurement Module for its police force customers and expects further interest from additional sectors.

3D environment

The police force clients wanted a lightweight way to be able to access measurement data from panoramic images to support forensic investigations, which they can now achieve using an iSTAR with Arena4D, and they expect interest in this functionality from construction and civil engineering clients, said Mark Estcourt, managing director at Veesus. To date, panoramic imaging has usually been used to colourise point cloud data, but they can now offer the ability to make 360 degree images an integral part of a 3D environment.

Designed for rapid 360 degree imaging, iSTAR is a panoramic camera that precisely captures full spherical immersive images for fast, efficient visual documentation of an environment.

Neil Tocher, CTO at NCTech said he welcomes Arithmetica and Veesus to the NCTech Integrated community and is delighted that they are making use of the SDK to allow measurement within the 360 degree images captured by iSTAR. This open strategy makes the functionality more universally and synergistically accessible from within existing third-party software, rather than from one specific software application, he added.