

360-degree Big Data Capture on the Move



Whether from the air, by car or on foot – the ability to capture 360-degree images on the move to create immersive virtual environments is becoming increasingly desirable in many applications. From urban planning and city asset management, to transportation analytics and crowd flow monitoring, big imaging data can empower many aspects of the modern smart city.

This week, [NCTech](#) – the Edinburgh-based developer of reality imaging systems – announced the availability of [iSTAR Pulsar](#), a professional edge-to-cloud big data system, optimised for capture on the move.

Mobile 360° Data

Developed in association with Sony and Intel, iSTAR Pulsar is specifically designed to capture 360-degree data while mounted on a vehicle, drone or on foot. The system is designed for ease of use and does not require any photography experience or even a computer to operate. The iSTAR Pulsar app provides the ability to plan routes, as well as to view and share content online.

The system's 11K spherical resolution delivers a 60.5 megapixel panoramic image – almost twice the pixel resolution of standard 8K spherical systems.



iSTAR Pulsar mounted on a vehicle.

[Neil Tocher](#), co-founder and chief technical officer of NCTech said: “With just a tap, iSTAR Pulsar provides fully automated 360° panoramic image capture. It's not a camera in a traditional sense – it is capturing huge amounts of high resolution data that is connected to our vast cloud processing pipeline, offering a fully automatic workflow from capture to delivery.”

NCTech's dedicated workflow pipeline for iSTAR Pulsar provides a completely autonomous, edge to cloud solution for capturing 360 degree panoramic images at up to 7 frames per second. Delivering a lossless upload without compression artefacts, iSTAR Pulsar provides the highest possible image quality at the press of a button.

Delegates at the [SPAR 3D Expo](#) in June will be able to experience the iSTAR Pulsar first-hand.

For more information, visit: www.nctechimaging.com



iSTAR Pulsar as a backpack.