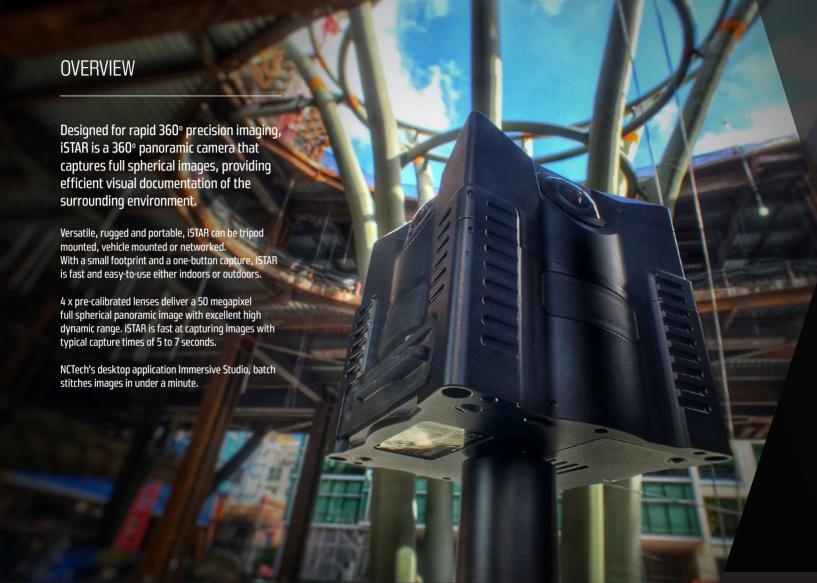




ISTAR

360 degree rapid imaging





SECTORS

A wide range of sectors benefit from iSTAR's rapid 360° data capture capabilities.

PUBLIC SAFETY

Collision investigations
Public order events
Tactical visual documentation

MII ITARY

Rapid Reconnaissance Tactical Response Plannir Pre Visualisation Threat Assessment

HERITAGE

Visual Documentation Heritage Documentation 3D Digital Visualisation 3D Modellino & Mappino

ENGINEERING

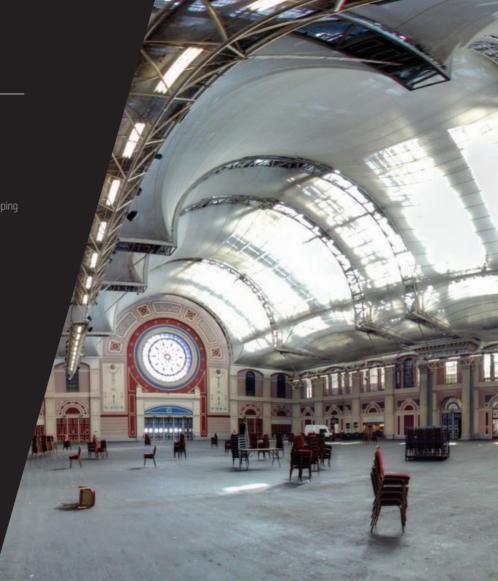
Airborne Photography & Mapping Asset Management Visual Documentation Mining & Monitoring

MFDIA

Street Mapping Spherical Interior Imaging Broadcast Immersive Media Virtual Tours

GOVERNMENT

HM Revenue and Customs Border Control Immigration Security Ports and Harbours





APPLICATIONS

iSTAR is well suited for any application requiring high-resolution, fast, accurate 360° images.

Typical applications include forensic image documentation, situation awareness, asset documentation, geospatial documentation and vehicle-base photogrammetry.



RGB point cloud colourisation



360° monitoring and surveillance



Mobile mapping



Photogrammetric measurement



"Street view" type imaging



Crime scene investigation



Destination marketing



Asset management and visual documentation









KEY TECHNICAL CAPABILITIES



MEASUREMENTS FROM DATA

iSTAR is a high precision capture system engineered and calibrated precisely to deliver highly accurate data. This enables measurements to be extracted from the images captured.

iSTAR's typical accuracy is 10mm over 10 meters (+/- 1mm).

Extracting measurements from stereo-pano iSTAR images i possible in several third-party software applications.

A Measurement Module SDK is also available for third-parties to build this iSTAR measurement capability into their own software.



DATA WITH POSITIONING

GPS receivers can be connected to iSTAR to record the position and location of the data captured. iSTAR has been tested and is compatible with a wide range of industry standard receivers including high end IMU's for higher accuracy.

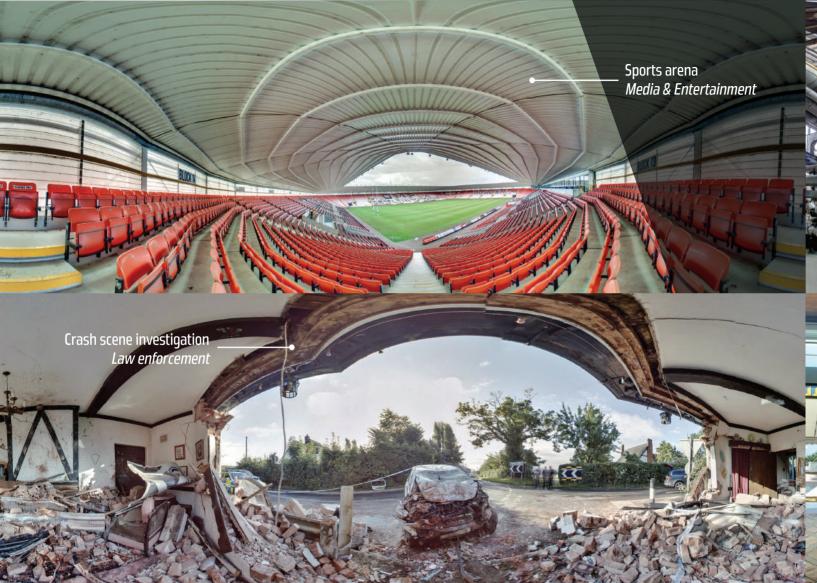
iSTAR's internal sensors record the compass positioning as well as tilt variations during capture. The data is written directly to the images and the EXIF data and is retained throughout the post-processing work-flow.



HDR & EXPOSURE FUSION

A key feature of iSTAR is it's high dynamic rage capabilities (HDR) with an impressive EV range of 27 f-stops. This enables iSTAR to capture the true colours and a light variant in a scene ensuring no data is lost.

iSTAR can be set to capture a single exposure, five, or set to fully automatic where the location is automatically analysed prior capture to determine the best EV capture range.





iSTAR was very impressive. It's size, ease of use, portability and image quality make it a worthy companion for our FARO Focus Laser Scanners.

Andrew Maltby Mrics. Director. Maltby Surveys

To us iSTAR was a revelation! It has become one of the first bits of kit that comes out of the car and is used by every member of the team.

Colin Humphreys. Forensic Collision Investigator. Warwickshire Police

I am really liking what this unit can do in the dark with HDR. I can see how the iSTAR could be applied to crime and accident scenes, but just as well to caves, tunnels, manufacturing... Eugene Liscio. Forensic Expert. Ai2-3D

We have three different scanners each of which is fitted with a bracket on to which we mount the iSTAR and it works well with all of them.

Ben Bennet. CTO Digital Surveys

iSTAR is easy to use - just like a 'point and click' camera. It does what it says on the box! The thing I like about it is its very good low light capability, especially in the HDR mode. A lot of the work we do happens at night and it picks up good quality images with minimal lighting. That, plus the portability, confined space capability and the ruggedness of it really helps in the environments we work in.

Station Manager Damian Watts, Hampshire Fire & Rescue Service

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