

istar[®] 360 DEGREE
RAPID IMAGING

ISTAR IS A FULLY AUTOMATIC, HIGH RESOLUTION IMAGING
SYSTEM THAT CAPTURES FULL 360 DEGREE SPHERICAL
IMAGES OR VIDEO OF A LOCATION INSTANTLY
AND ACCURATELY

SCCS
THE SURVEY EQUIPMENT COMPANY

EASE OF USE AND ZERO SET UP TIME

Designed for rapid 360° imaging, iSTAR precisely captures 360° full spherical images and high resolution panoramic video streams for efficient visual documentation of an environment.

iSTAR is rugged, lightweight and has a small footprint making it easy to transport and deploy. With zero set up time, iSTAR does not require photographic experience to operate. With one-button capture, it's fast and easy-to-use either indoors or outdoors.

FAST, ACCURATE AND PRECISE

iSTAR has 4 x pre-calibrated sensors delivering a 50MP full spherical accurate image with excellent high dynamic range. iSTAR is fast at capturing images with typical capture times of 2 to 3 seconds. Typically 80 to 100 panoramas can be captured on one battery charge. This can be increased to over 600 when using the optional external battery allowing you to capture throughout the full day.

Processing and stitching the images is also fast. NCTech's desktop application Immersive Studio, which is supplied with iSTAR, can batch stitch images in seconds. Full 360° video can also be processed in a matter of minutes.

SEAMLESS INTEGRATION

iSTAR deliverables can be seamlessly integrated into your work flow. The deliverables from iSTAR are industry standard compatible and can be used with your existing software.

MODELS AND VERSIONS

iSTAR is available in two software models, FUSION and PULSAR, both of which capture the full spherical environment. PULSAR offers extended capabilities over FUSION, including 360° video capture at high frame rates with live full immersive video preview, and fast capture for mobile mapping and surveillance applications.

An Infrared (IR) iSTAR version is available for capturing both panoramic images and 360° video in zero light conditions.

MULTIPLE APPLICATIONS

iSTAR has been designed to provide rapid imaging, site documentation and accurate measuring across a variety of applications in geographic information systems (GIS), law enforcement, military and media.

iSTAR is well suited for any application requiring high-resolution, fast, accurate 360° images that not only capture the location precisely but also the position. Typical applications include forensic image documentation, situation awareness, geospatial documentation and vehicle-base photogrammetry.

iSTAR SDK FOR INTEGRATIONS

A developer SDK platform is available for authorised development partners to create bespoke solutions and allow iSTAR imaging technology to be integrated into existing hardware and software systems and for developing new proprietary applications.



KEY FEATURES OF iSTAR

Rapid image capture: **Capturing images take approx. 2 to 3 seconds**

Easy-to-use with one button push to operate

Capture 360° **still images and video**

Generates GIS map positions from captured images or video

Seamless integration of images into third party applications

Totally mobile: capture over **600 images** on one charge using optional external battery.

Automatic HDR

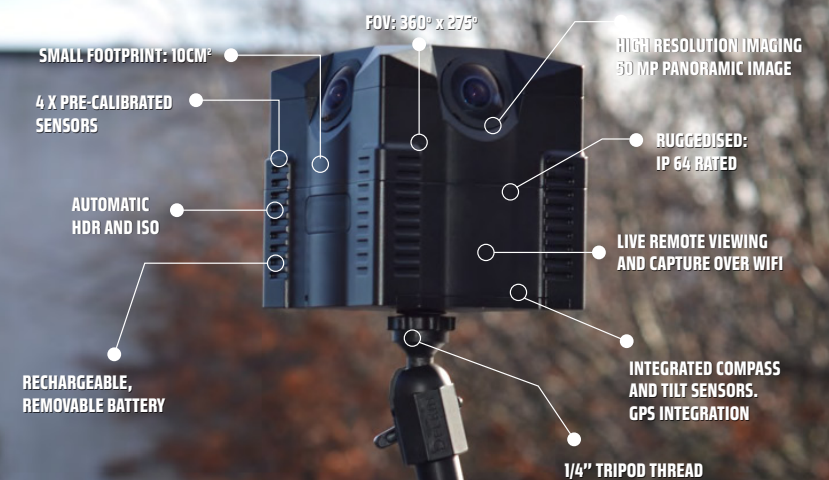
3 iSTAR models: Fusion for **capturing still images**, Pulsar for **360° video** and IR for **no light**

Live remote control with full immersive view from tablet PC **over WiFi**

Fast "real-time" stitching of images

Can be **vehicle mounted** or **inverted** for surveillance and remote monitoring

ISTAR RAPID 360° IMAGING SYSTEM



KEY APPLICATIONS OF iSTAR

- TACTICAL RESPONSE PLANNING
- 3D FORENSIC DOCUMENTATION
- RGB OVERLAY FOR LIDAR SCANNING
- STREET VIEW TYPE MOBILE MAPPING
- ROAD COLLISION DOCUMENTATION
- ASSET DOCUMENTATION AND VISUALISATION
- REMOTE SURVEILLANCE AND OBSERVATION
- 3D MODELLING AND MAPPING