



TRIMBLE V10
IMAGING ROVER
USER APPLICATIONS

 **Trimble.**



TRIMBLE V10 IMAGING ROVER

POSITIONS FROM PICTURES – JUST CHOOSE THE APPLICATION:

THE TRIMBLE® V10 IMAGING ROVER WITH TRIMBLE VISION™ TECHNOLOGY IS AN INTEGRATED CAMERA SYSTEM THAT PRECISELY CAPTURES 360-DEGREE DIGITAL PANORAMIC IMAGES FOR EFFICIENT VISUAL DOCUMENTATION AND MEASUREMENT OF THE SURROUNDING ENVIRONMENT.

Designed for rugged use, the Trimble V10 Imaging Rover is suited to provide site documentation across a variety of applications – wherever images can be taken. These applications include geospatial documentation, survey, oil & gas, and site visualization – But the possibilities are endless. What's your VISION?

GEOSPATIAL DOCUMENTATION

Document conditions and manage assets using the Trimble V10. The Trimble V10 provides urban planners, GIS professionals, asset managers and other geospatial professionals with the means to capture images in the field and build a clean, comprehensive dataset back in the office. The resulting geodatabase can be used for the development of virtual cities, as well as inventorying and managing assets. By enabling complete geospatial documentation, these professionals are able to efficiently create a complete database. This ensures that the data meets quality standards and is consistent.

SURVEY

For the surveyor, the amount of time spent on the job site may mean the difference between profit and loss. The Trimble V10 unlocks a whole new workflow to complete traditional survey work such as design surveys. With the Trimble V10, the job starts with capturing panoramas of the site, something now easily accomplished with Trimble VISION at the rod. The panoramas are then used to create positions for standard survey features in Trimble Business Center. While generating positions the user can create points, lines, and polygons with attribute data for the job site. These results can be exported directly as deliverables or taken into other packages for CAD work, modeling or data analysis.

Sometimes not all of the necessary data is collected resulting in a required trip back to the field. The Trimble V10 helps alleviate this problem by enabling surveyors to completely document the job site with 360-degree panoramic images as well as its spatial relationship so that any missed data can be quickly and efficiently created. With the ability to capture images as well as positioning information simultaneously, surveyors can quickly locate objects from the site within the image. Office personnel can see what the field crew sees, prepare additional information that clients request after the initial site visit and deliver data – all without visiting the site. The change order might be the same, but the work to fulfill it is significantly reduced.



OIL & GAS

Features in oil and gas facilities, such as pipe racks, valves, and flanges, can often be difficult or time consuming to accurately capture in 3D using traditional methods. The Trimble V10 offers a solution to this challenge by enabling these professionals to take a picture, complete with details and georeferenced positions, of these objects quickly. Not only are all of the features captured, but you also can provide a new deliverable to the client – a complete panoramic image to refer back to later. Often the data is needed quickly to make informed decisions in realtime and the decision makers or stakeholders may not be on the scene. The Trimble V10 allows for rapid data capture and puts that information quickly in the hands of those who need it most.



SITE VISUALIZATION

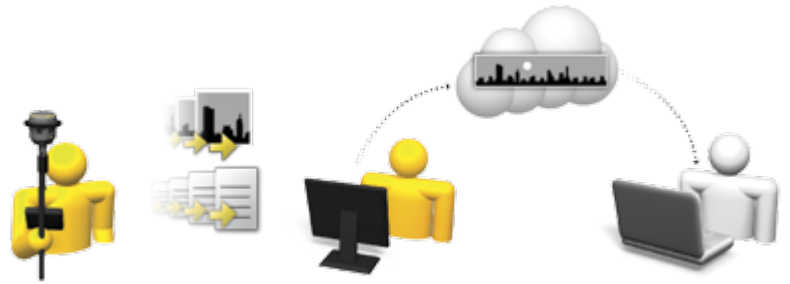
If a picture is worth a thousand words, then a Trimble V10 360-degree panorama is worth a thousand points. The ability to see an entire project location, job site or area of interest AND measure its spatial relationship is critical. Whether for project planning, inspections or investigations, the V10 provides a previously unavailable visualization capability. More importantly, not only can you visualize the site, you can measure it. You can prepare deliverables and share highly accurate information related to the project with a variety of stakeholders. Not just a picture, the V10 deliverables are the real world answers that professionals need. The Trimble V10 Imaging Rover produces results used to prepare CAD files, GIS data, quantities, inventories, conditions and other types of reports.



Capture large amounts of rich data in the field to perform measurements and prepare comprehensive deliverables in the office later.

THE COMPLETE SOLUTION FOR YOUR APPLICATION

For a complete system solution in the field, the Trimble V10 combines seamlessly with the Trimble R10 GNSS receiver or Trimble robotic total station, such as the Trimble VX™ along with the Trimble Tablet Rugged PC running Trimble Access™ field software. Each of these products work together to form a cohesive solution that fosters a seamless workflow from data collection to data processing. In the office, use Trimble Business Center to view panoramas, measure photo points, and create rich image-based geospatial deliverables.



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