Leica Pegasus:Two Ultimate – Seamless 360° images calibrated to the point cloud

The Leica Pegasus:Two Ultimate is the updated version of the Pegasus:Two, Leica Geosystem’s trusted mobile mapping platform and removes the need for six camera stitching by incorporating two back-to-back cameras creating a 24 MP 360-degree image calibrated to the LiDAR profiler, enabling digital reality captures from car, train, or boat. To enable faster processing at the office, a removable SSD allows to simply eject your data and walk into the office.

HIGHER IMAGE QUALITY WITH NEW SIDE CAMERAS

Thanks to the geometry of the possible stereo pairs, the upgraded systems require less cameras, but offers significant image quality improvement.

- Side cameras deliver 8.0 FPS at 12 MP at 61° x 47° FOV
- The maximum pixel size at 10 m is 3 mm
- Adjustable pavement camera with 12 mm lense, enables targeted image capture along a road or in a tunnel

INCREASED FLEXIBILITY WITH EASIER DATA TRANSFER

- Additional sync ports to connect thermal imaging, multibeam sonar, ground penetrating radar sensor
- Additional camera ports for pavement cameras or additional side cameras engaging target image capture on mileposts or tunnel walls
- Removable solid-state Hard Disk with integrated USB 3.0 connection

DATA SHARING INDEPENDENT FROM WEB BROWSER

Access and share the data at anytime from anywhere from the cloud to enable faster visualisation, data delivery and project invoicing.

- Visualisation of captured data
- Complete storage in the cloud
- Point cloud rendered in any browser without need for plug-in
- Images are calibrated to point cloud, can be used to navigate and measure

Taller IMAGE QUALITY WITH NEW SIDE CAMERAS

- 3.0 x Better
- 2.3 x Sharper

INCREASED OF IMAGE QUALITY

City digitisation

Digitisation of city infrastructures, planning, and resources is the foundation of the Smart City, the Pegasus:Two Ultimate will enable your growth and ability to offer the best solution for this market. Seamless 360° imagery calibrated to the digital point cloud will help you to deliver easily realised data assets for a future with autonomous vehicles. More sensor expansion ports offer additional means to capture the city in ones and zeros.

Improved flexibility

Increasing your working day - allowing capture in a variety of lighting conditions and vehicle speeds - a higher dynamic range is enabled by a large sensor to pixel ratio and a dual-light sensors. Photogrammetry and image quality is improved with the increased side camera resolution of twelve mega pixels and onboard JPEG compression.
Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for premium products and innovative solution development, professionals in a diverse mix of industries, such as surveying and engineering, safety and security, building and construction, and power and plant, trust Leica Geosystems to capture, analyse and present smart geospatial data. With the highest-quality instruments, sophisticated software, and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

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