

NavVis Brings Greater Versatility to Reality Capture Workflows



NavVis has announced the launch of NavVis VLX 2nd generation, a new iteration of the flagship mobile mapping system optimized for scanning both indoor and outdoor environments. NavVis is a pioneering leader in mobile mapping and reality capture.

With multiple improvements based on customer needs, NavVis VLX 2nd generation will enable more professionals in the surveying and architecture, engineering & construction (AEC) industries to complete a wider variety of reality capture projects with high speed and precision.

“Previously, we positioned our devices for indoor scanning,” says Georg Schroth, chief technology officer at NavVis. “But since the launch of the original NavVis VLX, we have become aware of our customers’ need for us to mature the device towards real outdoor readiness.” He continues: “They asked, and we’ve delivered. With NavVis VLX 2nd generation, reality capture specialists can go anywhere the project requires, whether it’s a construction site or a refinery, a factory or an office.”

Outdoor environments

NavVis VLX 2nd generation is more robust than its predecessor in outdoor environments and demanding locations like construction sites, and can even cope with unexpected rain showers or dusty conditions.

The mobile mapping solution features a carbon-fibre frame that is strong and light, reducing overall weight while withstanding the rigours of fieldwork. Added grips and redesigned shoulder pads make the device more comfortable to handle and operate than ever before. Additionally, thanks to the newly designed transport case, NavVis VLX can be checked in as hold luggage for air travel without any concerns.

For reliable, survey-grade accuracy, the new version of NavVis VLX is powered by innovative precision-SLAM technology. The algorithm has been improved to make it more robust, especially in outdoor environments with plants and trees. Moreover, just as with the original NavVis VLX, regular system software updates ensure that users will continue to benefit from accuracy improvements, now and in the future.

Thanks to these new features, users are better able to generate high-quality point clouds of buildings and assets. Seamlessly integrated with NavVis IVION, the Munich-based company’s own platform for spatial data, it gives customers the foundation for a digital twin for smart collaboration and decision-making, thus closing the gap between the physical and digital worlds.

NavVis is now taking preorders for NavVis VLX 2nd generation, with delivery expected in Q3 2021. To learn more, visit www.navvis.com/vlx.

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