



PEERS

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PHOTOGRAMMETRIC ENGINEERING & REMOTE SENSING

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The image featured on this month's cover was captured over Gleisdorf,

Austria using the UltraCam Eagle "ultra-large" format photogrammetric digital aerial camera equipped with the new 210mm focal length lens. This new lens allows UltraCam Eagle customers to capture the same high-dynamic, excellent quality, detailed imagery as they do with other UltraCam systems, with the added benefit of being able to fly at high altitudes. An ancillary benefit is the ability to collect high resolution images over restricted airspace, such as cities, without applying for special permits. Furthermore, thanks to the very small field of view, building lean is minimized for very high buildings, allowing full use of the Eagle's 20,0010 pixel swath width for ortho image production. Additionally, occlusions are minimal even for narrow streets or valleys. This image scene was captured at a 1640 m ASL, 1290 m AGL flying altitude and a 3.2 cm ground sample distance.

Other benefits of the UltraCam Eagle include: a housing concept that integrates all system components into a modular sensor head including the new Applanix-based UltraNav embedded flight management and direct georeferencing system, an in-flight exchangeable, solid-state storage system for high-reliability and minimal ground time, and a field-exchangeable lens system with 80mm (standard) and 210mm focal length lens.



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