



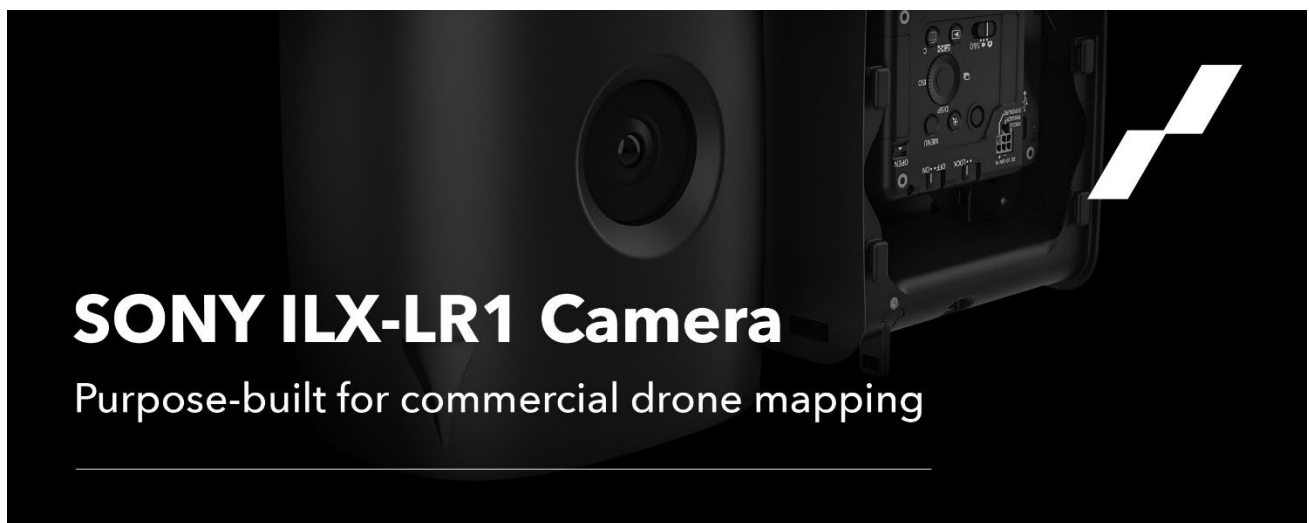
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October 10, 2023

Quantum Systems Teams Up with SONY to Enhance Drone Imaging with 61-Megapixel Camera Integration for Trinity Pro UAV

Munich-Based Drone Manufacturer Elevates Trinity Pro Capabilities with SONY's ILX-LR1 Camera, Meeting Surging Demand for High-Resolution Aerial Imaging



Munich, Germany - October 10, 2023 - Quantum-Systems GmbH, the leading Munich-based innovator in dual-use drones employing state-of-the-art multi-sensor technology for governmental and commercial clients, proudly announces a monumental leap in aerial imaging technology. The company unveils its collaboration with global technology giant Sony to seamlessly integrate the Sony ILX-LR1 61-megapixel camera into its flagship Trinity Pro mapping drone.

Remaining at the forefront of innovation while responding to customer needs

In response to the surging demand for high-resolution imagery in commercial surveying and mapping applications, Quantum Systems has harnessed the formidable power of the



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Sony ILX-LR1 full-frame 61-megapixel camera to take the Trinity Pro's capabilities to the next level. As the industry swiftly transitions from 42-megapixel cameras to 61-megapixel standards, Quantum Systems ensures that it remains at the forefront of innovation.

An industrial-grade camera tailored to drones allowing quicker project turnaround

The Sony ILX-LR1 camera allows for seamless, deep integration into Quantum Systems drones and autopilots, enabling direct remote control and direct georeferencing. Purpose-built to cater to a wide range of commercial mapping applications, the camera offers uncompromising image quality, accuracy, and coverage. Stripped of many of its on-body buttons and controls, the camera is particularly light and versatile. Equipped with next-generation sensors and BIONS processor, the camera achieves rapid data readouts, capturing up to 3 frames per second for improved forward overlap. Through innovative Image ID technology timestamps each picture appends native date information, facilitating precise image stitching and mitigating data loss risks through direct georeferencing.

The Trinity Pro paired with the ILX-LR1 can survey a staggering 491 hectares based on 90 minutes flight time and 100 meters above ground level flight altitude, boasting a total GSD of 1.8 centimeters per pixel. This translates to faster surveys over larger areas with higher data accuracy.

Florian Seibel, founder and CEO of Quantum Systems, commented, "Joining forces with Sony in the development of this camera allows us to keep our promise to our customers. We want to deliver cutting-edge technology for drone-based aerial imaging that makes our users' daily work easier. With the Sony LR1, we enable our survey customers to achieve shorter project lead times and streamline data handling. I am glad that Sony sees Quantum Systems as the market leader in aerial intelligence and has embarked on this journey with us."



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About Quantum Systems

Quantum Systems specializes in the development, design, and production of small Unmanned Aerial Systems (sUAS). The company's range of electric vertical take-off and landing (eVTOL) sUAS are built to maximize range and versatility and provide operators with a seamless user experience. By integrating cutting-edge software capabilities like edge computing and real-time AI-powered data processing, Quantum Systems is building next-generation UAS for clients in defence, security, public sector.

Quantum-Systems was founded in 2015 and is headquartered at Special Airport Oberpfaffenhofen, 20 km west of Munich.

For more information about Quantum-Systems visit www.quantum-systems.com.

Press Contact:

Claudia Steinhoff

Phone: +49 (0)8105 7709 128

E-mail: csteinhoff@quantum-systems.com

About Sony Corporation

Sony Corporation is a wholly owned subsidiary of Sony Group Corporation and is responsible for the Entertainment, Technology & Services (ET&S) business. With the vision of "continuing to deliver *Kando* and *Anshin* (*) to people and society across the world through the pursuit of technology and new challenges," Sony Corporation supports the Sony Group with technology to create the entertainment of the future together with creators.

For more information, visit: pro.sony.eu

Press contact:



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Elizabeth Pierce

E-mail: elizabeth.pierce@sony.com

* Both Japanese words, *Kando* means emotion and *Anshin* has various meanings such as peace of mind, reassurance, reliability, and trust.