Lockheed Martin Procerus Technologies Brings High-Performance Surveillance To Small Unmanned Aircraft Systems

LAS VEGAS, Aug. 7, 2012 /PRNewswire/ -- Lockheed Martin (NYSE: LMT) Procerus Technologies' new, lightweight, Perceptor™ dual-sensor gimbal packs the capability of a large camera system in a small, compact package designed to provide high-quality video surveillance for small and micro unmanned aircraft systems.

Equipped with electro-optical and infrared imaging sensors and an optional laser illuminator, the 200-gram (7-ounce) Perceptor provides continuous 360-degree panning and high-definition video imagery day or night in all weather conditions. The gimbal's reduced weight and size allows for a rugged payload to be easily integrated into unmanned systems small enough to fit into a backpack.

"Developing a lightweight continuous rotation dual-camera sensor packed with the capabilities of larger camera sensors allows us to easily and more affordably integrate the system into small unmanned aircraft systems," said Todd Titensor, senior manager of Lockheed Martin Procerus Technologies. "Our unique solution offers high-performance surveillance without compromising power or adding unnecessary weight to the platform."

The payload package also includes a high-speed, high-bandwidth digital internet protocol data link that delivers video and high-resolution imagery more affordably and eliminates the need for multiple data links.

Acquired in January 2012, Lockheed Martin Procerus Technologies is the developer of the Kestrel™ Autopilot avionics and Virtual Cockpit™ system for fixed-wing and rotary aircraft. Additional products include small vertical take-off and landing platforms and OnPoint OnBoard™ vision systems for target tracking, stabilization, geo-location and terminal guidance applications.

Headquartered in Bethesda, Md., Lockheed Martin is a global security and aerospace company that employs about 120,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The corporation's net sales for 2011 were $46.5 billion.

For additional information, visit our websites:
www.lockheedmartin.com
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