

## News Release

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### Procerus introduces three distinct product families at AUVSI 2009.

**OREM, Utah. August 11, 2009** – Procerus® Technologies will announce at AUVSI the introduction of 3 distinct product lines. Each of these new product lines will be branded as product families. These 3 new families build upon the success that Procerus has had with its flagship Kestrel Autopilot, and moves Procerus into new related markets for enabling unmanned systems. Procerus' new family lines include: Kestrel™ Flight Systems, OnPoint™ Vision Systems and Perceptor™ Imaging Systems.

**Kestrel Flight Systems:** [www.procerus.com/Downloads/DataSheets/Kestrel\\_Flight\\_Systems.pdf](http://www.procerus.com/Downloads/DataSheets/Kestrel_Flight_Systems.pdf)

- Kestrel autopilots (v2.4 or v3.0). The Kestrel Autopilot is highly integrated, light, small and reliable, and sacrifices nothing for its weight-cutting, size-shaving design. It integrates all flight sensors, comm. and payload interfaces into a neat, elegant package.
- Kestrel Cockpit™. Previously named Virtual Cockpit, Kestrel Cockpit v3.0, takes the Procerus ground control component to entirely new level. New features include an engaging new interface, 3D streaming maps / terrain, 3D waypoints, VTOL controls, and more.
- Kestrel SIM™. Procerus has teamed up with industry leading KnifeEdge Software to provide Kestrel SIM for RealFlight. This breakthrough in simulation modeling for UAVs provides an easy CAD interface to edit and simulate aircraft and helicopters with accurate physics and graphics. The user can either build up an aircraft from scratch using the provided libraries of common hobby aircraft components or use one of the many aircraft models provided.

**OnPoint Vision Systems:** [www.procerus.com/Downloads/DataSheets/OnPoint\\_Vision\\_Systems.pdf](http://www.procerus.com/Downloads/DataSheets/OnPoint_Vision_Systems.pdf)

- OnPoint OnBoard™. Our Onboard product suite takes tracking and stabilization to a new level. The accurate and highly reliable tracking and stabilization features of OnPoint Targeting have now been moved onboard the UAV by utilizing our small, lightweight OnPoint VPU™, our highly integrated vision processing hardware product. This provides unparalleled tracking, video stabilization, and terminal guidance capabilities (terminal guidance available as an add on)
- OnPoint VPU™. Very small, very light, and packed with features, our onboard processing product brings a level of sophistication and capability to UAVs unseen before. This product utilizes state-of-the-art hardware for maximum performance.
- OnPoint™ 2.0. Our ground based solution (runs on your laptop) provides Target Tracking, Geo-localization, and Video Stabilization to small inexpensive UAV platforms. OnPoint is innovative in its vision-centric focus to UAV guidance and control – easy to use vision-based “Click ‘n Fly” operation to fly the UAV and point the gimbal at desired targets, with a simple click of the mouse within the video (significantly reduces user load). This includes a “virtual hover” mode in which the video is presented from an unchanging vantage point, providing the perspective that would be achieved using a stationary hovering platform

**Perceptor Imaging Systems:** [www.procerus.com/Downloads/DataSheets/Perceptor\\_Imaging\\_Systems.pdf](http://www.procerus.com/Downloads/DataSheets/Perceptor_Imaging_Systems.pdf)

Perceptor Gimbal products represent a new line of tightly integrated, small, and highly accurate gimbals.

- Perceptor 88x. Continuous 360°, stabilized gimbal (Kestrel 3.0 onboard), 3.5”, 400grams, 10x.
- Perceptor DG. Digital gimbal, no moving parts, electronic pan / tilt / zoom. (11 grams)
- Perceptor ePTZ 5MP Imager. Small, very light 5 mega pixel imager. (9.2grams)
- Perceptor DG<sub>2</sub>. Future product – ePTZ (Perceptor DG) inside a 55mm mechanical gimbal turret.

## ***Procerus Technologies***

Procerus Technologies, makers of the world's smallest, lightest (16.7 grams), full-featured autopilot for small and micro UAVs. Procerus is focused on intelligent, autonomous guidance and control systems, vision and imaging systems for small unmanned aircraft. Procerus offers 3 families of products uniquely tailored to unmanned systems: Kestrel™ Flight Systems, OnPoint™ Vision Systems, and Perceptor™ Imaging Systems. [www.procerus.com](http://www.procerus.com)

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