



Eklund Infrared Newsletter June-July 2014.

We here at Eklund pride ourselves of being your SweSystem Representative in the USA and Canada.

Please let us reintroduce you to the 2014 SweSystem Gimbal Camera Systems:

SweSystem precision gyro stabilized gimbal camera systems are well known throughout the world for their innovative design, robust construction and trouble free operation plus very competitive prices. They are manufactured using a strong high stiffness aluminum core system and carbon fiber exterior. Compare with i.e. FLIR and L3.

The SweSystem design provides excellent stability and ease of operation in a sturdy lightweight package and serves as a flexible platform for single or multiple pay loads.

The SweSystem Gimbal Platforms are made in 3 different sizes: SWE200, SWE300 and SWE400. The sizes are: 200mm (7.8"), 300mm (11.8") and 400mm (15.7") respectively. Weights: 5-8kg (11-17 lbs.), 20 kg (44 lbs.) and 30 kg (66 lbs.) respectively. Many different payload types are available including customer special orders! All units are built to RTCA DO160 F standards.

Basic System Specifications for all the models are as follows:

- 4-Axis Active Turret (5-Axis available option)
- Active Gyro Stabilization. Fiber-optic gyros
- Stabilization better than 25 μ Rad! (Micro-Radian)
- Azimuth Movement: Full 360 Degree Continuous
- Elevation Movement: +20 to -120 degrees
- Diameter 300mm (11.8 in) or see above
- Weight approx. 20 kg (44lb) or see above
- Power Req. 20-30VDC, 10A

Depending on model, up to four different cameras can be installed:

- A state-of-the-art 1024x768 pixel LWIR camera is used for thermal infrared detection and temperature measurement.
- A Bi-spectral DayCor® UV camera is used for Corona detection.
- A full HD 1080p TV camera is used for video presentation in HD or SD format.
- A High resolution Nikon D800 SLR 36 megapixel camera for high quality still pictures with GPS Tagging.

The EIR SWE400 Quad features all four cameras.

Law enforcement needs are served with cooled MCT MWIR or LWIR focal plane array cameras with continuous zoom.

SweSystem Gimbal Cameras are now equipped with an internal IMU. The Inertial Measurement Unit (IMU) is calculating the gimbal camera location in reference to the earth. It can be used together with a laser range finder for more exact location. Coordinates also read out on the video overlay.

Please contact us for detailed information and pricing on our SweSystem Gimbal Camera Systems.

Sincerely Yours, Jan K. Eklund

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We also sell and rent out the Ofil DayCor® UVc Corona and Arcing Detection Cameras made by Ofil Ltd. Please contact us for pricing. Our rentals are on a weekly or monthly basis (or longer).

