

MODULIS Aerial Imaging Product Architecture

MODULIS (Modular Imaging System) is a platform technology comprising a suite of plug-and-play metric cameras that interface to a geo-spatial processor. Geo-referenced imaging data is distributed through a Gigabit Ethernet switch fabric, making system configuration simple, extensible, and flexible. A flexible mounting scheme allows for multiple KCM camera modules to be configured on a single Sensor Frame Assemble for wide angle or nadir imaging.

Geo-Referenced Imaging

Rapidly design and deploy multi-camera airborne imaging systems.

- Extensible and reconfigurable
- Ruggedized precision
- Embedded spatial awareness
- Net-centric

Kinematic Camera Modules

GSI offers an ever-growing suite of metric camera modules spanning visible to long-wave infrared, including multispectral options.

- Rugged; Hermetic
- Aerial Metric Lens
- Visible, Multispectral and Infrared
- Compact head with direct digital output
- Scalable plug and play sensor frame configurations for airborne application

Sensor Management Unit

The Sensor Management Unit controls all imaging modules and spatial sensors, and provides timing control and distribution of exterior orientation data.

- Spatial Processing
- Network Distribution
- Geo-Metadata tagging
- Real time processing

