

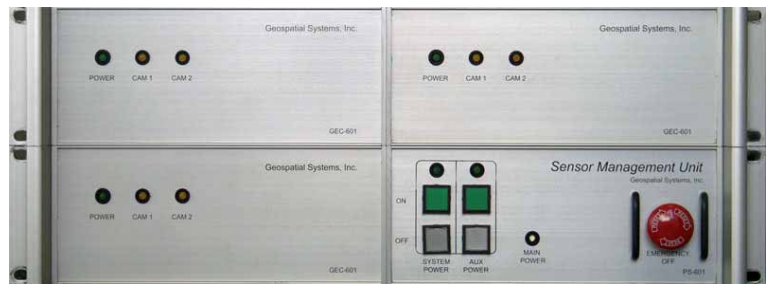
## Sensor Management Unit (SMU)

The Sensor Management Unit consists of a rack mounted package with interface for up to six (6) Kinematic Camera Modules and one GPS/IMU subsystem (user specified; not included with SMU). Multiple SMUs can be added together to share a single GPS/IMU/timing subsystem with an arbitrary number of imaging devices. Each camera data stream incorporates geo-metadata from the GPS/IMU.

### Features

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

- Geo-Metadata tagging
- Spatial Processing
- Network Distribution via Gig-Ethernet
- Scalable by adding SMU slices



<p><b>Camera/Data Interface</b></p> <p>Camera Interface Cameras IMU Interface Image Data Output Ethernet Control Protocol Event Timing</p> <p><b>Power</b></p> <p>Aircraft or 110 AC Power Power Connectors</p> <p>Controlled Aux 28 VDC Output Front Panel Remote EMO Control</p>	<p><b>Specification</b></p> <p>Direct Digital FPGA Interface Support up to 6 KCM Camera Modules Novatel Span, Applanix POS, Leica IPAS and BEI Family GeoTIFF with embedded IMU and GPS Data Gig-E Vision Standard 3.3V TTL Fully User Configurable, Falling or Leading Edge</p> <p>24-28 Volts DC, 110-120 Volts AC, 200 Watts Amphenol MS3102E-10SL-4P (2pin) Amphenol MS3102E-14S-7S (3pin)</p>
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<p><b>Display/Control</b></p> <p><b>SDK Software</b></p> <p><b>Enclosure</b></p>	<p>800 x 600 LCD Control Touch Screen Capture and Configuration Control</p> <p>Image Capture Software Kit Configuration Software Kit</p> <p>Reconfigurable, 4U Full Rack or 6U 1/2 Rack</p>
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