

Image Processing Unit (IPU)

The PSS Wide Area Image Processor is designed and built with speed, performance, durability, and endurance in mind. It has to be – it is the brains behind PSS’s Airborne Wide Area Imaging Systems whether it is supporting HawkEye I™, HawkEye II™, NightHawk™ or VISION-RL™.

The PSS Airborne Image Processing Unit is responsible for receiving feeds from the sensor, geo- and ortho-rectifying the image data, stitching imagery together, compressing it, storing it locally, and transmitting the resultant imagery to the analyst in the aircraft and/or on the ground while operating in “real-time” mode.

Features:

- State of the Art Airborne Image Processor
- Matched to VISION-RL™ and HawkEye II™ System
- 10 Gigabyte Ethernet Connectivity
- Supports up to 8 Terabytes of Solid State Drives
- Hardened Case
- Controls All Aspects of the PSS Image Processing Chain
 - Image Capture
 - Ortho-Rectification
 - Geo-Rectification
 - Tiling
 - Compressing
 - Storage
 - User Interface
- Supports
 - SkyServer
 - Downlink
 - And other functions