Pen Tablet Screen Shot

(top) Example of a *spectral signature* being displayed along with information to the right that shows algorithm results being calculation in real time, such as: **(a) optimal derivative reflectance spectroscopy, or (b) multiple wavelength contrast algorithms** - *real time hyperspectral signature anomaly detection.*

(left) Instrument Systems diagram showing the camera and data acquisition interface. The system can be run on a workstation or pen tablet computer using an external PCI/PCMCIA or Card bus system. The HS imaging system runs on 12 volts DC.

Diagram labels:

- Camera
- PC Monitor
- Internal or external Trigger in CamWare
- PCI-Interface-Board
- Graphic Board
- 12 Bit
- PCI-Bus
- Command in CamWare: Convert Control
- 8, 24 or 32 Bit, depending of the graphic setup
- MEMORY
- convert
- 12 Bit
- 16 Bit Array
- 8 Bit Array
- 8 Bit
- Driver SW for Graphic Board
- 16 Bit
- 8 Bit
- Hard Disk
- Command in CamWare:

  EXPORT for formats
  BMP 8 Bit
  B16 12 Bit
  TIFF 16 Bit
  FITS 16 Bit
  ASCII 16 Bit

  IMPORT (SEQUENCE) for formats
  BMP 8 Bit
  B16 16 Bit
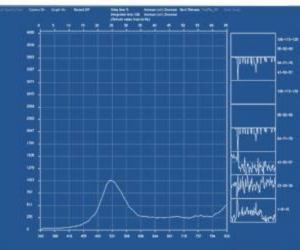 TIFF 16 Bit
- Computer

From: Bostater, C., 2012, Airborne multisensor remote sensing systems for subsurface feature detection in littoral zones, Proceedings SPIE Vol. 8532, pp. 853208-1 to 13.