#### **MuSIC** Software



## MuSIC System

Multiple Sensor Instrument Controller

## Simultaneous VNIR, SWIR, and Thermal Imaging

Triple Hyperspectral Sensor Operation: CASI, SASI, & TASI

Full Diagnostic Suite

Reduced Mobilization & Data Acquisition Costs



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# MuSIC System

#### Multiple Sensor Instrument Controller

#### Three Spectral Regions, **One Control System**

The optional MuSIC system permits the simultaneous operation of up to three ITRES hyperspectral imaging sensors using a single Instrument Control Unit (ICU), sunlight-readable video display (high altitude version available), KVM<sup>1</sup> switch, and software controller. <sup>1</sup> Keyboard, Video, Mouse (Hardware switch used to alternately display activities of each sensor processor on the single monitor display).

### MuSIC System Compatibility

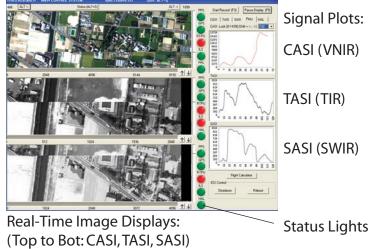
Works with all ITRES imaging sensors (CASI-1500/550, SASI-600, TASI-600, TABI-320).

Accepts precision position/attitude input from POS AV<sup>™</sup>, C-Migits<sup>™</sup>

### Software Features

- Simultaneously control and monitor 3 sensors using Windows<sup>™</sup>-based tabbed interface
- Simultaneous 3 sensor image display
- Real-Time (RT) Sensor Health/Signal Plots
- High Visibility RT Status lights (GPS, PPS, ILS,





Sensor Health) System Status Window

- Built-in Flight Calculator

## Three Networked, Synchronized Processors

Ruggedized, Rack Mountable, Airborne-Designed

Instrument Control Unit Features

Ethernet-ready Remote Diagnostic Capability

• Data Recording to Swappable SCSI HD Units (Up toTwo per Sensor)

### Dimensions, Weight, & Power

MuSIC ICU: W 48.3 H 35.6 D 52.6 cm (30 kg)

**Power**: Complete three-sensor system with MuSIC system: +24 to 32 VDC, 50 A circuit required. (Assumes CASI-1500, SASI-600, TASI-600, POS AV™).

All ITRES imaging sensors are calibrated to a traceable standard. Data simulations provided for illustrative purposes. These specifications are current at time of writing and are subject to change without notice. Document #U10039-00 Revision date: April 2006 ©2006 ITRES Research Limited.

