

Mini Instrument Control Unit (ICU)

Airborne Hyperspectral Solutions

Full Hyperspectral Control,
Small Hardware Footprint



- Small Size Ideal for Payload-Limited Airborne Applications
- 77% Smaller Than Our Standard ICU



Mini Instrument Control Unit

Going Where Others May Not

When combined with the VNIR CASI-1500, CASI-550, or TABI-320 mapping sensors, the Mini-ICU addresses the need for a full-featured hyperspectral mapping control system with a smaller hardware footprint. The scaled-down physical size of the Mini-ICU enables its installation in smaller aircraft, including Unmanned Airborne Vehicles (UAVs).

The Mini-ICU features electronics for full mapping sensor control, power distribution, and data recording capabilities, with low power draw (4A alone, 6A with a CASI-550 sensor head, for example).



Mini ICU



*CASI-550
Sensor Head*

A Few Mini-ICU Features:

- 10.25"W x 6"H x 15"D (26 x 15.25 x 38 cm);
- 22-25 lbs (9.8-11.3kg); options dependent (ILS, internal recording media);
- 5A @ 28 VDC (typical) power consumption, depending on options
- Data recording to optional internal hard disk or external IEEE1394-compatible drive;
- Data copy using Ethernet or USB2.0;
- PPS input & VNIR Incident Light Sensor (ILS);
- Precision GPS/IMU input from Applanix POS AV, NovAtel SPAN, or C-Migits;
- Compatible with the ITRES Remote Operation RF system;
- Stackable design with CASI-550, CASI-1500, or TABI-320 sensor heads, using a secure latch and direct interface connection system.



*Stacked, Small
Footprint VNIR
Imaging System
Example*

