

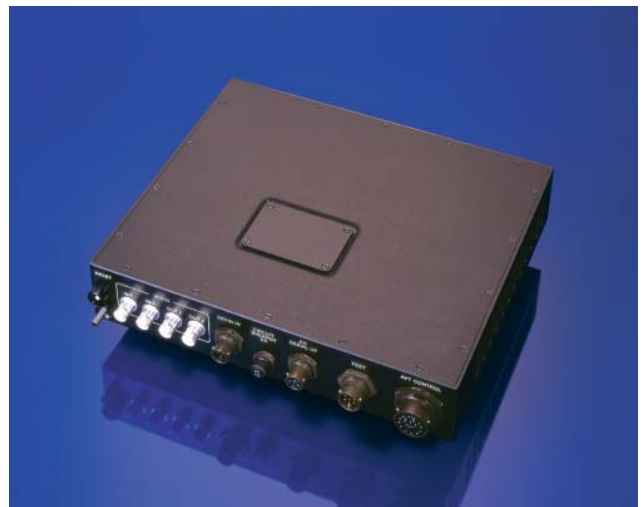
ENCLOSURES

CAATS MkII

Compact Airborne Enclosure

CAATS is a compact, self-contained enclosure designed to provide all needed balance-of-system interfaces for Octec ADEPT trackers. Designed for airborne applications, it requires only 20-32 Vdc aircraft power and is environmentally secure in these rugged environments.

- **Minimum size and weight for airborne applications**
- **Commercial off-the-shelf (COTS) product**
- **Low cost rugged construction**
- **28Vdc power supply input**
- **Compatible with the ADEPT family of trackers**
- **EMI filtering and EMC compliant**
- **Conforms to MIL-STD-461E**
- **Conforms to BSG3G 100**



The ADEPT tracker family has been developed to provide the highest performance solutions in the smallest, fully environmentally proved hardware packages. The majority of customer requirements can be met by the application of standard 'off the shelf' products that have been designed to satisfy the majority of interface and performance requirements without the need for modification. The key features of the Adept video tracker range include:

- Software based
- Range of proven algorithms
- Algorithms tailored for the application
- Single or multiple PEC configurations
- Offered as board level or packaged
- Over 600 units delivered
- In service with over 70 customers world-wide
- Easily adapted to meet a wide range of applications
- Range of build standards - Conduction or convection cooled
- Multiple interfaces - VME, digital, serial and analog



CAATS MKII SPECIFICATIONS

Power

Input

- MIL-C-26482 style 08-98P connector
- 20-32 Vdc (aircraft supply)
- Current - 2.0A peak
- Less than 50 Watts (ADEPT PECs Only)

Fuse

- 2.5A circuit breaker

Connectors

- 2 x Video IN 75 Ohm BNC
- 2 x Video OUT 75 Ohm BNC
- Test:
 - MIL-C-26482 style 08-04S,
 - 4 socket receptacle with bayonet lock
 - 1x Serial Interface

Interface

System Interface

- MIL-C-26482 style 14-19SW, 19 pin with bayonet lock
- 1x Serial Interface
- 2x Analog outputs

AVT Control

- MIL-C-26482 style 14-19S, 19 pin with bayonet lock
- Remote Control Client Interface

Environmental

- BS3G 100 Part 2, Section 3.3.2 Grade A

Ambient temperature

- Operating 0°C to +55°C
- Storage -55°C to +100°C

Humidity

- Operating 10% to 90% non-condensing

EMC

- Compliant with MIL-STD-461E

Vibration

- BS3G 100 Pt 2, Section 3.3.1

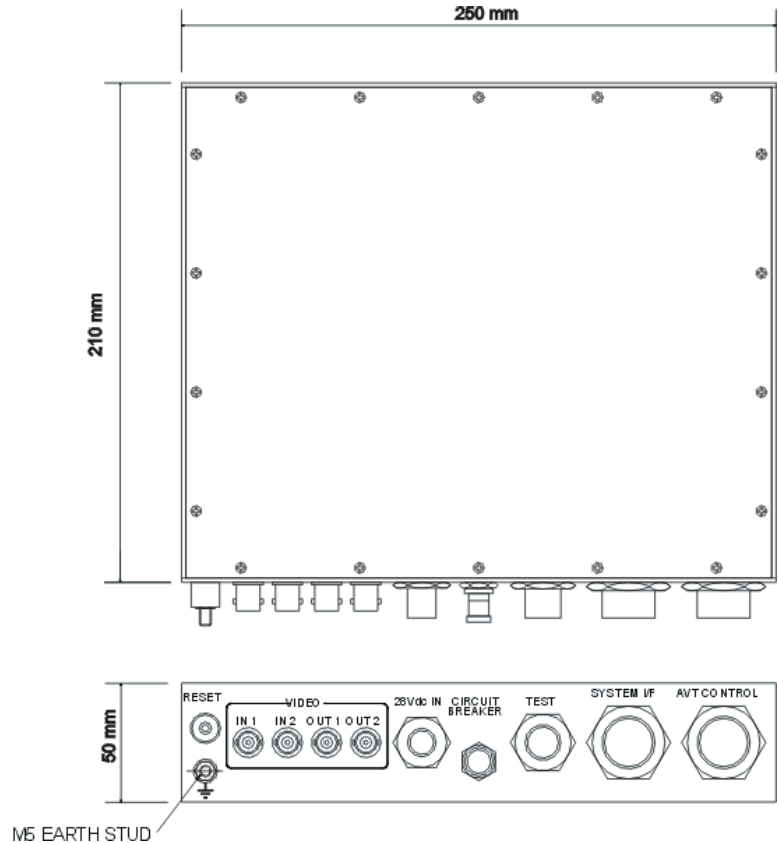
Mechanical

Weight

- 3.0kg / 5.0 lbs (inc. Tracker PEC)

Dimensions

- Width - 250mm / 9.8 in
- Height - 50mm / 2 in
- Depth - 210mm / 8.26 in



Octec has over 300 man years of experience in applied image processing and is one of the leading independent suppliers of 'commercial-off-the-shelf' video tracking and image processing systems to the global aerospace market. Part of Radstone Technologies' Embedded Computing business, virtually every major European and US aerospace prime contractors is an Octec customer.

Octec's engineering expertise encompasses not only the hardware and software design of video trackers and image processing elements, but how they are applied to provide new or improved system capabilities. Octec also possesses great expertise in a wide range of complimentary technologies. These include system management processing, digital and analog interfacing and signal distribution as well as electro optical sensor and overall systems integration for applications in the airborne, land and marine environments.



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