

ENCLOSURES

2U Chassis MkII

3 Slot VME Bus Enclosure

The Octec 2U Chassis is a convenient and rugged enclosure designed to house ADEPT VME bus trackers. Providing all necessary power, input / output connectors and forced aircooling. The 2U Chassis is perfect for stand-alone and rack mounted applications.

- 2U high
- Standard, 19 inch rack mount
- Low cost, rugged construction
- Auto ranging power supply
- Compatible with the ADEPT family of trackers
- Dual and single gate tracker configurations
- EMC compliant



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

2U CHASSIS MKII SPECIFICATIONS

Power

Input

- IEC320 connector
- 85 to 265 volts
- 47-400 Hz
- Current - 0.5A RMS, 1.5A peak
- Less than 50 Watts (Adept PCBs Only)

Fuse: (AC Input)

- Reference: FS01
- Type: 20mmx5mm
- Rating: 2.0A Anti-surge

Output (VMEbus)

Output Voltage:

- + 5V +/-5%
- +12V +/-10%
- - 12V +/-10%

Output Current:

- + 5V Output: 15.0A
- +12V Output: 2.0A
- - 12V Output: 2.0A

Output Power: 100 Watts maximum

Interface

Connectors:

- 2 x Video IN 75 Ohm BNC
- 2 x Video OUT 75 Ohm BNC
- 3 x Serial 9 Way 'D' Socket RS232/422
- 1 x Analog I/O 25 Way 'D' Socket

Environmental

EMC Directive 89/336/EEC

Ambient temperature:

- Operating 0°C to +55°C
- Non operating -20°C to +70°C

Humidity

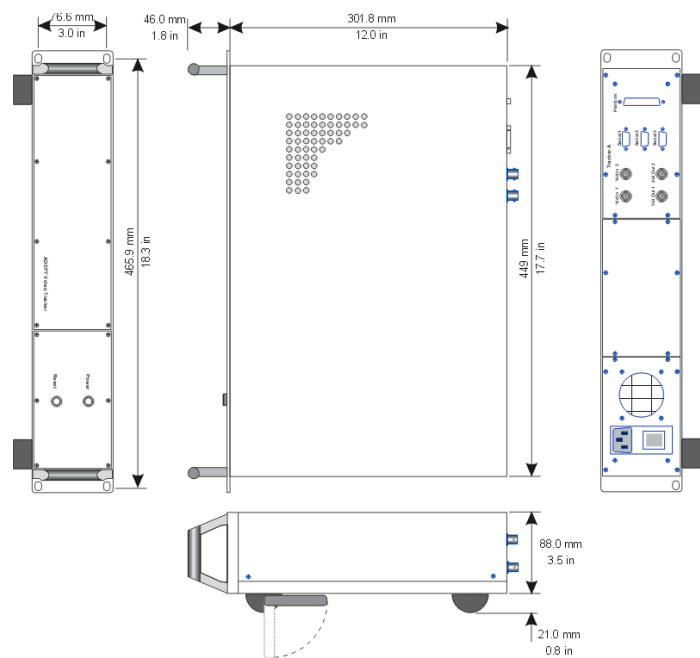
- Operating 5% to 95% RH

Mechanical

Weight: 6.0kg

Dimensions:

- Width - 449 mm / 17.7 in
- Height -
 - Rack Mounted - 88 mm / 3.5 in
 - Desktop Mounted - 109 mm / 5.0 in
 - Feet extended - 163 mm / 6.4 in
- Depth - 302 mm / 12.0 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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