



■ **Features**

- This 20" diameter, 11' long pod was designed, fabricated and qualified to fly on a variety of armed forces aircraft at speeds up to Mach 1.2. Modular construction of the internal data collection and recording sub-systems permits their use either in the pod, or they can be easily removed through access doors on both sides of the pod to allow their use outside the pod in labs, helicopters, ground-based deployments, etc.
- A two-axis, servo controlled gimbal in the nose of the system permits accurate pointing of the on-board sensor(s) over a wide range of azimuth and elevation angles. The system is designed to accommodate multiple sensors depending on mission requirements. Changing sensors is a flight-line level task when using approved sensor products. The gimbal can also be locked at various azimuth and elevation angles if required.

- A thermal management system permits safe and reliable operation of the electronics over a wide range of temperatures encountered both on the ground and during flight.
- The system is designed to operate autonomously per a set of user-configurable parameters or be manually operated from within the host aircraft. When operating in the autonomous mode, pod status (on-line, off-line or thermal shutdown) are visibly displayed to the pilot regardless of which wing the pod is mounted to. When operating in manual mode, communication between the pod and the host aircraft is over a secure RF communication link.
- The pod has location and time sensing features for incorporation of these parameters into the recorded data stream if desired.
- Data can be downloaded from the pod on the ground via a standard Ethernet cable, or the data recording disk can be removed for installation into a receiving station attached to a laptop or other computer. These data disks are hotswappable.
- This pod is SEEK EAGLE approved.



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