

## HAWKEYE™ LITE V2



Whether the need is remote Internet/VPN connectivity, live videoconferencing, or getting breaking news on the air, the Hawkeye Lite v2™ Auto-Acquire FlyAway VSAT system provides high data rate communications up to T1 rates. It's the smallest and lightest satellite system of its kind and can be deployed in a matter of minutes. The Hawkeye Lite v2™ features an Auto-Acquire antenna system, 4-segment carbon fiber circular reflector, and an outdoor modem. The Hawkeye Lite v2™ 1M FlyAway Ku-Band VSAT system is specifically designed to be airline checkable - eliminating the need for separate shipping. The complete system consists of three cases housing an Auto-Acquire 1M antenna, RF system and iDirect™ outdoor modem. Case 1 is comprised of a fully Auto-Acquire 1M antenna positioner. Case 2 consists of a BUC/SSPA and iDirect™ outdoor modem. A third case houses the Ku-Band feed, struts and 4-segment carbon fiber circular reflector.

### **System Features:**

- Three light-weight, airline-checkable custom cases make up the complete Auto-Acquire Antenna, RF system and outdoor modem.
- Auto-Acquire antenna system finds the satellite automatically within minutes.
- 4-piece lightweight carbon fiber 1M circular reflector provides best RF performance.
- 25W SSPA.
- iDirect™ outdoor modem eliminates heavy IFL cables
- ViewSAT™ terminal monitor and control software simplifies deployment and operation

### **Applications:**

- Quick-Deploy voice, data and video communications
- Deployable Homeland Defense emergency response communications
- CONUS and/or OCONUS remote Internet/VPN connectivity
- Video conferencing, VoIP, and Internet access



# Global Communications Solutions(GCS)

## HAWKEYE™ LITE V2

### System Specifications:

Antenna & RF System:

Feed Type: Prime Focus, Offset Feed  
Reflector: 1M Circular, 4-segment Carbon Fiber  
Operation: Motorized, Auto-Acquire  
G/T: 19 dB/K (typical)  
EIRP: 54.5 dBW (25W SSPA)  
Power: 25W  
LNB: Three provided to ensure global coverage of the KU-Band  
Elevation: 15 to 90 degrees of boresight  
Azimuth: +/- 200 degrees continuous  
Temperature: -20°C to +50°C  
Wind Loading: 30 mph gusting to 45 mph with stabilizers deployed

### Physical Specifications:

Dimensions:

Case 1 - Antenna Positioner: 34" L x 24.5" W x 14" H  
Case 2 - RF Equipment: 34" L x 24.5" W x 14" H  
Case 3 - Accessories: 34" L x 24.5" W x 14" H

Weight:

Case 1 - Antenna Positioner: 97 lbs.  
Case 2 - RF Equipment: 98 lbs.  
Case 3 - Accessories: 67 lbs.

### ViewSAT™ Software

ViewSAT™ is a monitor and control application designed to bring simple remote terminal operation through the use of an intuitive Graphical User Interface (GUI). It is specifically designed to monitor and control the Hawkeye™, Hawkeye-Lite™ and Hawkeye II™ and Cheetah series of VSAT terminals. The monitor and control is provided for the iDirect™ modem, Antenna controller and some select BUC/SSPAs.

### GCS-251iC Outdoor Modem

The GCS-251iC is a complete satellite modem system developed on an embedded iDirect™ iConnex platform. It allows any L-Band communications system to utilize the iDirect™ modem without the need of conventional IFL cables or spectrum analyzers. By placing the iDirect™ modem in a ruggedized weatherproof enclosure with ECU, the unit can be located outdoors. Therefore, only a short coax run is needed to connect to the BUC & Booster. The connection to the indoor data equipment is achieved via a single CAT5 cable (much lighter than the coaxial cables normally needed). The ODU contains a GPS, internal computer, antenna controller, tuning meter, Ethernet switch and iDirect modem. The system allows an operator to point and peak any satellite system without external equipment such as a spectrum analyzer. The necessary parameters (Lat/Long) are automatically loaded into the iDirect™ modem for mobile systems.



### **GCS**

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**communications**

GCS

**L-3. Leading.** Headquartered in New York City, L-3 Communications employs over 63,000 people worldwide and is a prime system contractor in aircraft modernization and maintenance, C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, systems and subsystems. The company reported 2006 sales of \$12.5 billion.