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HAWKEYE™ III LITE

1.2 M Tri-Band VSAT

ANTENNA/PEDESTAL	
Reflector	1.2 m parabolic, 6 piece, segmented carbon fiber
Optics	Offset, prime focus, 0.6 F/D
Acquisition	Auto
Elevation	+7° to +90°
Azimuth	+90° to - 90°

BAND SUPPORT
X-, Ku-, Ka- mil, Ka- wideband

RF PERFORMANCE	X-	Ku-	Ka- mil	Ka- WB
Transmit (GHz)	7.90 to 8.40	13.75 to 14.50	30.0 to 31.0	29.0 to 31.0
Receive (GHz)	7.25 to 7.75	10.95 to 12.75	20.2 to 21.2	19.2 to 21.2
EIRP (dBW)	53.9 (40 W)	58.2 (40 W)	60.9 (20 W)	60.6 (20 W)
G/T (dB/K)	16.3	20.5	23.0	23.0

MODEM INTEGRATION
iDirect® 900, Comtech™ DMD1050TS, ViaSat® CBM-400, L3Harris® MPM-2500

INTERFACE	
Number of Ports	4 LAN or 3 LAN plus DSL option

POWER	
AC	90-264 VAC; 47-440 Hz
Consumption	626 VA

MECHANICAL	2 Case Solution	3 Case Solution
System Weight Per Case	Case 1: <100 lbs Case 2: <100 lbs	Case 1: <70 lbs Case 2: <70 lbs Case 3: <70 lbs
Case Dimensions (LxDxW)	Case 1: 36.8 x 19.5 x 23.3 in (93.5 x 49.5 x 59.2 cm) Case 2: 39.4 x 16.0 x 23.8 in (100.1 x 40.6 x 60.5 cm)	Case 1&2: 36.8 x 19.5 x 23.3 in (93.5 x 49.5 x 59.2 cm) Case 3: 39.4 x 16.0 x 23.8 in (100.1 x 40.6 x 60.5 cm)

ENVIRONMENTAL	
Temperature	Operational: -32°C to +55°C (-25.6° F to 131° F) Storage: -46°C to +71°C (-50.8° F to 159.8° F)
Wind Loading	30 mph, gusting to 45 mph, with anchors

CERTIFICATIONS
MIL-STD-810G, Delta 8 (X- & Ka-Band), XTAR



The Hawkeye III Lite is a lightweight, auto-acquisition VSAT that delivers high-speed data communications for Internet, VPN and video transmission.

The Hawkeye III Lite is designed for modem and RF modularity. Ancillary kits allow users to quickly change between frequency bands and modems in minutes. Support for external modems is also available through the front panel of our Enhanced Outdoor Unit (EODU).

Our Viewsat-*e*™ GUI automates configuration when swapping frequency bands or modems and allows commonality of control.

Subsystem monitoring and troubleshooting is simplified by unifying all status reporting into a single, easy-to-read display.

The modular design of the Hawkeye III Lite VSAT allows the system to be configured to adapt to varying missions. The operator can easily change RF bands by simply swapping out the RF Band kit versus an entire system, greatly reducing setup time and cost. To enable global network access, this system is offered with a number of embedded modem options. The Hawkeye III Lite integrates an elegant and simple user interface via its web-based ViewSat-*e* GUI, which provides easy, accurate, and quick acquisition without the need for complex test equipment. One-button satellite auto-acquisition helps improve performance in disadvantaged coverage areas, greatly reduces setup time, and allows the user to close larger data links and "lock-on" in a matter of minutes.



Outdoor Modem (ODU)



HAWKEYE III LITE 1.2M VSAT SYSTEM FEATURES

- Modular design allows for easy RF band change
- Light weight two- or three-case design (as determined by system configuration)
- Robust auto-acquisition pedestal to support Ku-, X- and Ka-Bands
- Multiple embedded modem options
- Integrated ViewSat-*e* web-based GUI and front panel user interface
- Common architecture to GCS Hawkeye III VSAT terminals provides interoperability between systems and reduced operating costs
- 4 LAN ports or 3 LAN ports plus DSL option

- MIL-STD-810G tested
- Rugged design for outdoor usage
- Embedded Ethernet switch
- Intuitive front-panel display
- Optional beacon receiver/spectrum monitor and GATEKEEPER™ interference excision

The appearance of U.S. Department of Defense (DoD) visual information does not imply or constitute DoD endorsement.

Hawkeye™ III Lite 1.2 M Tri-Band VSAT

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