



1.2M Tri-Band VSAT



The Hawkeye III Lite from L3 GCS provides high-speed data communications for Internet, VPN connectivity and video transmission.

This light-weight solution can be deployed in a matter of minutes utilizing the auto-acquire antenna system, ViewSat™-e GUI, and the GCS Outdoor Unit (ODU). The modular design of the Hawkeye III series VSATs make it possible for us to offer RF Band kits for quick and easy conversion from one band to another with just a simple feed boom change.

The complete system consists of two or three rugged, hard-sided cases which house the ODU, auto-acquire antenna pedestal, controller, 6-segment carbon fiber circular reflector, boom and feed, and LNB devices for global coverage.

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 interface
- Common architecture to GCS Hawkeye™ III VSATs for interoperability between systems
- 4 LAN ports or 3 LAN ports plus DSL option

APPLICATIONS

- Quick-deploy voice, data, and video
- Military command/control or logistic support communications
- Deployable Homeland Defense or Emergency Response communications
- Worldwide remote Internet/VPN connectivity
- VoIP or Video-Conferencing



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ANTENNA/PEDESTAL				
Reflector	1.2M parabolic, 6pc., 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, Appendix 30B Ku				
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
Appendix 30B Ku performance values available upon request				
MODEM INTEGRATION				
iDirect e800, iDirect 900, Comtech DMD1050TS, ViaSat CBM-400, Linkabit MPM-2500, UHP 1100				
INTERFACES				
# of ports	4 LAN or 3 LAN plus DSL option			
POWER				
AC	90-264VAC; 47-440Hz			
Consumption	626VA			
MECHANICAL				
	2 case solution		3 case solution	
# of cases	2		3	
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	Case 1: 36.8 x 19.5 x 23.3 (inches) Case 2: 39.4 x 16 x 23.8 (inches)		Case 1: 36.8 x 19.5 x 23.3 (inches) Case 2: 36.8 x 19.5 x 23.3 (inches) Case 3: 39.4 x 16 x 23.8 (inches)	
ENVIRONMENTAL				
Temperature	Operational: -32°C to +55°C Storage: -46°C to +71°C			
Wind Loading	30 mph, gusting to 45 mph, with anchors			
CERTIFICATIONS				
MIL-STD-810G, ARSTRAT (X- & Ka-Band), Inmarsat Global Xpress				



OUTDOOR MODEM (ODU)

- MIL-STD-810G tested
- Rugged design for outdoor usage
- Embedded Ethernet switch
- Intuitive front panel display
- Optional beacon receiver



GCS

7640 Omnitech Place
 Victor, NY 14564
 Tel: 585.742.9100
 Email: GCS.info@L3T.com
 www.L3T.com/GCS

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