



## 1.2M Tri-Band VSAT



Whether the need is remote Internet/VPN, live videoconferencing, surveillance or reconnaissance, the Hawkeye™ III Lite 1.2M Auto-Acquire, Tri-Band Flyaway VSAT system provides high data rate communications of 2-5Mbps as determined by the link parameters. This light-weight solution can be deployed in a matter of minutes utilizing the auto-acquire antenna system, ViewSat GUI, and the GCS Enhanced Outdoor Unit (ODU). The ODU includes the latest version of the iDirect Evolution iConnex™ e800 modem, LAN switch and a control processor. The complete system consists of two 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

- Light-weight two or three case design (as determined by system configuration)
- Embedded iDirect Evolution® iConnex e800 modem
- LinkWay<sub>S2</sub>™ modem option
- Segmented carbon fiber reflector offers high performance and light weight
- Robust auto-acquisition to support Ku-, X-, and Ka-Bands
- Interchangeable Feed Boom design allows for easy RF Band change
- Common architecture to GCS Hawkeye™ III Series systems
- 4 LAN ports or 3 LAN ports plus DSL option
- MIL-STD-810 tested

- DVB-S2/ACM capable

### 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

# GCS HAWKEYE™ III LITE



ELECTRICAL/PERFORMANCE				
Pedestal	Motorized, case based, fully auto-acquire			
Antenna	1.2M segmented carbon fiber			
Optics	Offset, Prime Focus, 0.6 F/D			
Azimuth	+90° to -90°			
Elevation	+7° to +90°			
IFL	50 ft LAN, 25 ft AC Power			
Band	Receive (GHz)	Transmit (GHz)	G/T (dB/K)	EIRP (dB/W)
X	7.25 to 7.75	7.90 to 8.40	16.3	53.9 (40 W)
Ku	10.95 to 12.75	13.75 to 14.50	20.5	58.2 (40 W)
Ka	20.2 to 21.2	30.0 to 31.0	23.0	60.9 (20 W)
Ka Commercial	19.2 to 20.2	29.0 to 30.0	22.6	60.6 (20 W)
-Note 1: G/T at mid-band frequency and 20 degrees elevation.				
MECHANICAL				
Weight**	Case 1: < 100 lb. Case 2: < 100 lb.			
POWER				
Input Power	800 VA (MAX)			
ENVIRONMENTAL				
Wind Loading	30 mph, gusting to 45 mph (with anchors)			
Operating Temp.	-32 °C to +50 °C			
Storage Temp.	-40 °C to +60 °C			
Certifications	MIL-STD 810, ARSTRAT (X- & Ka-Band)			

\*\* = Dependent on configuration



## ENHANCED OUTDOOR MODEM (ODU)

- MIL-STD-810 tested
- Rugged design for outdoor usage
- Embedded iDirect Evolution® iConnex e800 modem
- Embedded LinkWay<sub>s2</sub>™ modem option
- Embedded Ethernet switch
- 4 LAN ports or 3 LAN ports plus DSL option

PART NUMBER	DESCRIPTION
GCS-1512eK-XXX*	Hawkeye™ III Lite Ku-Band*** 1.2M auto-acquire VSAT flyaway system with iDirect iConnex™ e800 modem, and (4) LAN ports
GCS-1512eX-040*	Hawkeye™ III Lite X-Band*** 1.2M auto-acquire VSAT flyaway system with iDirect iConnex™ e800 modem, and (4) LAN ports
GCS-1512eA-020*	Hawkeye™ III Lite Ka-Band*** 1.2M auto-acquire VSAT flyaway system with iDirect iConnex™ e800 modem, and (4) LAN ports

\* = (W) White, (T) Tan, (G) Green

\*\*\* = Ku-, X-, and Ka-Band kits are available

## GCS

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