



## 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 lightweight solution can be deployed in a matter of minutes utilizing the auto-acquire antenna system, ViewSat GUI, and the GCS universal 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
- 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-810F 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

# 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	+10° to +90°			
IFL	50 ft LAN, 25 ft AC Power			
Band	Receive (GHz)	Transmit (GHz)	G/T (dB/K)	EIRP (dB/W)
X	7.25-7.75	7.90-8.40	17.8	53.4 (40W)
Ku	10.95-12.75	13.75-14.50	20.7	56.2 / 58.2 (25 W / 40 W)
Ka	20.2-21.2	30.0-31.0	22.6	61.1 (20 W)

Note 1: G/T at mid-band frequency and 20 degrees elevation.

## MECHANICAL

Weight*	Case 1: < 100 lbs. Case 2: < 100 lbs.
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## POWER

Input Power	800 VA (MAX)
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## 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 810F, ARSTRAT (X-band)

\* = Dependent on configuration



## UNIVERSAL OUTDOOR MODEM (ODU)

- MIL-STD-810F tested
- Rugged design for outdoor usage
- Embedded iDirect Evolution® iConnex e800 modem
- 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, 25W and 40W SSPA available.
GCS-1512eX-040*	Hawkeye™ III Lite X-Band** 1.2M auto-acquire VSAT flyaway system with iDirect iConnex™ e800 modem, and (4) LAN ports, 40W SSPA
GCS-1512eA-020*	Hawkeye™ III Lite Ka-Band** 1.2M auto-acquire VSAT flyaway system with iDirect iConnex™ e800 modem, and (4) LAN ports, 20W SSPA

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

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

### GCS

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