



L3HARRIS™
FAST. FORWARD.

HAWKEYE III™ LITE MOBILE VSAT

1.2 M Tri-band COTP VSAT

ANTENNA	
Reflector	1.2M parabolic, carbon fiber
Optics	Offset, prime focus, 0.6 F/D
Acquisition	Auto (integrated controller)
Elevation	+0° to +90°
Azimuth	400° (±200°) (from rear of vehicle)

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 e800, iDirect 900, UHP-1100, Comtech DMD1050TS, Viasat CBM-400	

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

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

ENVIRONMENTAL	
Temperature	Operational: -25.6°F to +131°F (-32°C to +55°) Survival: -40°F to +140°F (-40°C to +60°C)
Wind Loading	Deployed: 45 mph (max operational), 60 mph (max survival) Stowed: 90 mph (max survival) includes vehicle speed and head winds Assumes proper vehicle stiffness and integration

CERTIFICATIONS	
MIL-STD-810G (designed to meet) ARSTRAT (X-Band in progress, Ka-Band planned)	



The L3Harris Hawkeye III Lite Mobile VSAT is a rapid-deployment, voice, data and vehicular solution for Communications-On-The-Pause (COTP). This versatile system can be quickly dismantled and converted to a land-based terminal in a matter of minutes with no additional components required. This allows vehicular forces to employ the system for transmission and receive capabilities while paused, then quickly dismount and transport the system to the next mission destination. The COTP VSAT is available in X-, Ku- and Ka-bands and allows users to easily change between bands by swapping out a feed boom assembly.



SYSTEM FEATURES

- > Modular design allows for easy RF band change
- > Compatible with existing Hawkeye III Lite boom kits
- > Supports Ku-, X- and Ka-Bands
- > Can be removed from vehicle to support ground-based deployments
- > Integrated ViewSat-e web-based GUI

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
- > Communications At-The-Quick-Halt
- > SNG

OUTDOOR MODEM (ODU)

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

INTEGRATION SERVICES

- > Custom vehicle/trailer installations
- > Power systems
- > Alternative modems
- > Baseband equipment

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