

The Hawkeye III Lite 1.2M Tri-Band VSAT for High-Speed Data Communications

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Common Architecture, Lightweight and Quickly Deployable

Deployable in just minutes, the Hawkeye™ III Lite 1.2M Tri-Band VSAT provides high-speed data communications for Internet, virtual private network (VPN) connectivity and video transmission. This light-weight solution is housed in two or three rugged cases, and utilizes the auto-acquire antenna system, ViewSat™ graphical user interface (GUI), 6-segment carbon fiber circular reflector, boom and feed, LNB devices for global coverage, and an Outdoor Unit (ODU).

With a modular design, the Hawkeye™ III VSATs offer RF Band kits for quick and easy conversion from one band to another with just a simple feed boom change.



System Features

- ✓ Robust, auto-acquisition pedestal to support Ku, X-, Ka- Bands
- ✓ Modular design allows for easy RF Band change

- ✓ 4 LAN ports or 3 LAN ports plus DSL option
- ✓ MIL-STD-810G tested ODU Modem with rugged design
- ✓ Embedded Ethernet switch
- ✓ Integrated ViewSat™ web-based GUI and intuitive front panel display
- ✓ Embedded iDirect Evolution® iConnex e800 modem
- ✓ DVB-S2/ACM capable



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System Specifications

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				
RF PERFORMANCE				
	X-	Ku-	Ka- mil	Ka- WB
Transmit (Tx)	7.90 to 8.40	13.75 to 14.50	30.0 to 31.0	29.0 to 31.0
Receive (Rx)	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				
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 1: 36.8 x 19.5 x 23.3 (inches)	

	Case 2: 39.4 x 16 x 23.8 (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)		

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