L3HARRIS®
FAST. FORWARD.

HAWKEYE 4 XY: 2.6 METER VSAT

Designed for the warfighter: minimal hardware, maximum capabilities

ANTENNA

Aperture	2.6 M parabolic
Optics	Center-fed
Acquisition	Auto acquire
Travel Range	Equivalent to +5-90 El, continuous 360 AZ, 5°/sec
LEO/MEO Capable	Yes
AC Input	90-305 VAC, 47-63 Hz (pedestal), 100-240 VAC, 50-60 Hz (varies per band)

SYSTEM PERFORMANCE

RF BAND	Ka	Ku	X	C	S
Transmit (GHz)	29.0-31.0*	13.75-14.50	7.90-8.40	5.825-6.725	2.025-2.12
Receive (GHz)	17.7-21.2	10.70-12.75	7.25-7.75	3.625-4.2	2.2-2.3
Polarization	Circular	Linear	Circular	Linear or circular	Circular
G/T (dB/K)	28.8	26.5	22.7	16.3 (LP), 16.6 (CP)	7.6
EIRP (dBW)	75.4	69.9	63.6	60.0 (LP), 60.9 (CP)	44.3

NETWORK INTEGRATION

MODEM	DESCRIPTION	ORBIT SUPPORT
iDirect® 450SDM	Supports both Evolution and Velocity networks and designed to add support for new waveforms/networks, e.g. EBEM	MEO, GEO, HEO
iDirect® 950mp	Supports both Evolution and Velocity networks	GEO
Viasat® CBM-400	Supports the STANAG 4486, EBEM and LinkWay® waveforms	GEO
Extant MPM-2500	Supports the NCW and NCW-R waveforms	GEO
Comtech® 5650C2/MP	Supports DVB-S2X for SES mPOWER™ EBEM and DSSS WGS certification early CY2026	MEO, GEO, HEO (future)

COMMON CONTROLLER

Internal High Stability OCXO	Included	Common Controller and Modem Module
Beacon Receiver	Included	
Gatekeeper (Optional)	Gatekeeper w/ embedded spectral display capability (via ViewSAT-e)	

The Hawkeye 4 XY (H4 XY) system is a state-of-the-art 2.6-meter very small aperture terminal (VSAT) featuring true hybrid SATCOM capabilities: multi band, multi-orbit, multi-service in one powerful terminal. The H4 XY leads the industry in the ability to effectively track all orbits, including non-geosynchronous orbits (NGSO) across LEO, MEO, GEO and HEO. The terminals' modular design is optimized for rapid deployment (<30 minutes) and transit (fits on a 463L, with room for networking gear). This robust, MIL-STD-810H-compliant terminal features a simple, intuitive interface and is capable of rapid adaptation to access S, C, X, Ku and Ka bands.
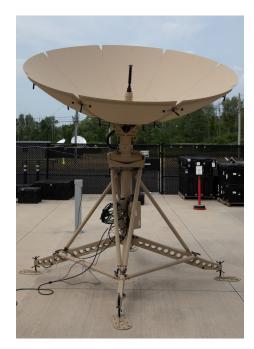
*Commercial Ka-Band option

INTERFACE

LAN Ports	4x Gigabit RJ-45
Receive Monitor	L-Band receive monitor port
External Modem	L-Band Tx and RX interfaces
User Interface	Remote ViewSat-e GUI and local color LCD and keypad

ENVIRONMENTAL

Temperature (Operational)	-32°C to +55°C
Temperature (Stored)	-40°C to +70°C
Wind (Deployed/Anchored)	60 mph

CERTIFICATIONS

WGS (Delta 8)	X-Band, Ka-Band
MEO mPower (SES)	Ka-Band
Intelsat Flex (Planned)	Ku-Band
Inmarsat Global Xpress (Planned)	Ka-Band
MIL-STD-810H	CY26
CE	CY26
MIL-STD-461G	CY26

H4 XY is designed for the warfighter: minimal hardware, maximum capabilities. The terminal boasts the L3Harris-exclusive Comtech® 5650C2/MP, the first and only software-defined, embeddable modem for WGS and mPOWER operations.

The H4 XY supports multiple constellations and services, including WGS, Intelsat Flex™, Inmarsat Gx® and SES mPOWER®, among others. Built for NGSO operation, the H4 XY supports high throughput on MEO and LEO constellations and is modular and scalable, enabling the integration of new technologies and support for future high-throughput constellations.

HAWKEYE 4 XY: 2.6 Meter VSAT

L3Harris Technologies is the Trusted Disruptor in the defense industry. With customers' mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit L3Harris.com for more information.

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