

RECON VSAT 2.4m



FlyAway 2.4m Tri-Band Configurable Segmented Carbon Fiber Antenna VSAT

RECON VSAT

The Comtech RECON VSAT 2.4m provides a modernized COTS solution for data exchange in support of Multi-Domain Operations (MDO). It can be set up by one person in 15 minutes and operating in-network in under 20 minutes.

Key Features:

- Capable of utilizing the Comtech 1050TS,
- iDirect 950mp, iDirect 9050 OM, SLM-5650C
- and Viasat CBM-400 modems
- User-friendly touchscreen, manual point assist reduces operator burden
- Manual point and auto acquire versions available
- Less than 15 minute setup and in-network Assured PNT support
- Open/Modular Baseband Interface supporting IPv4/IPv6

Available Options:

- Motorized computer-assisted pointing & acquisition upgrade
- Beacon receiver
- Wind anchoring options: ground stakes, sand bags
- Optional soft sided ballistic nylon cases
- Spare parts kit, training, and field support
- Assured Position Navigation Pointing Capability



Technical Specifications:

Reflector Construction	Carbon fiber / aluminum
Azimuth Travel	+/-95°
Elevation Travel	+5° to 95°
Polarization (Ku) Travel	360° continuous
Set-up time	Less than 15 minutes
Assembled Weight	Less than 240 lbs. (with Ku-Band Precision feed, less BUC)

Case Integration:

Reflector	28" X 28" X 24", 127 lbs.
Tripod	54" X 29" X 16", 106 lbs.
Positioner	33" X 25" X 24", 87 lbs.
Feed Boom/Ku Feed	54" X 29" X 16", 100 lbs

Environmental:

Operating Temperature	-32° F to 140° F (-36° C to 60° C)
Storage Temperature	-50° F to 159° F (-46° C to 70° C)
Wind Speed	Survival with anchors 80 mph
	Operational without anchors 20 mph
	Operational with anchors 30 mph sustained / 45 mph gusting

RF/Electrical:

Feed Type	Std 2-Port Ku-Band		2-Port Ka-Band		2-Port X-Band	
RF Parameter	Receive	Transmit	Receive	Transmit	Receive	Transmit
Frequency Range (GHz)	10.95–12.75	13.75–14.50	19.2–21.2	29.0–31.0	7.25–7.75	7.90–8.40
Polarization Configuration	Linear Orthogonal Standard Co-Pol		Circular or Linear		Circular or Linear	
Gain (mid-band) (dBi)	47.3	48.8	51.0	54.5	43.3	44.1
G/T, Midband, Clear Horizon @ 20° Elevation	27.0 dB/°K with 50° LNB		25.0 dB/°K with 100° LNB		22.7 dB/°K with 55° LNB	
Radiation Pattern Compliance	FCC 25.209, ITU-R S.580-6 IESS 208		FCC 25.209, MIL-STD-188-164C		MIL-STD-188-164C	
EIRP	64.0		66.0		58.1	
Feed Port Isolation — Tx to Rx (dB)	35	35.8 (incl. filter)	80	80 (incl. filter)	115 (incl. filter)	115 (incl. filter)

About Comtech

Comtech Technologies Corp. (Nasdaq: CMTL) is a leading global provider of next-generation 911 emergency systems and secure wireless communication technologies to commercial and government customers around the world. Comtech designs produces and markets advanced and secure wireless solutions.

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