MILLI S▷T EX

36 cm (14")

65 cm (26")

MILLI S▷T EX lightweight satellite terminal solution is tailored to meet C-130 Hercules mission requirements. Designed for Ka-band, Milli SAT EX offers unmatched performance in an extremely compact, small package of 22kg weight, including a Multi-Purpose Shoulder Panel System. Optimized for voice, video, and data transmission.

MILLI S▷T EX supports Roll-On / Roll-Off (RORO) C-130 airborne applications without requiring any modification to the aircraft. The unit's radome does not obstruct existing aircraft surfaces, other instruments or antennas while providing high bandwidth data throughput exceeding 30 Mbps with HTS satellites.

MILLI S▷T EX supports mil-ka band and is compatiblewith Inmarsat's GX network. Fully FAA-compliant and designed to operate on all C-130 variants. A turn-key solution including a dual-modem integrated transit case that accesses various Ka-band networks simultaneously.

RF PERFORMANCE	KA BAND
Tx Frequency	29-31GHz OR 27.5 - 30GHz
Rx Frequency	19.2-21.2GHz OR 17.5 - 20GHz
Max G/T	12 dB/K
Polarization	RHCP/LHCP (co-pol / cross-pol)
Max EIRP	48dBW (12W BUC)
Tx / Rx isolation	>60 dB
Panel Size	20X48 CM (7.9X18.8'')

SYSTEM	
Azimuth	Continues coverage over full 360°
Elevation	-8° to 90°
Control Technique	Combined IMU / RSSi / GPS
Velocity	Azimuth >200° / Sec, Elevation > 200° / Sec
Initial Acquisition Time	<30 sec
Re-Acquisition time	<100ms (depends on modem)
Management	GUI via RS-232 / Ethernet
Power Input	22 - 56v DC
Power Consumption	Rx Only ~ 25Watts
	TOTAL – 150 Watts (12W Buc PSAT)
Interfaces	GPS, RS-232, Ethernet, TX/RX, Other
Weight	22kg (48lb) including Radome and Hatch Mount
System Size	38 X 65 CM (15x26")

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