



Ku-Band Flat-Panel VSAT



The L3 Shadow is a Ku-Band, small form factor, lightweight, flat panel VSAT. This system provides high-speed data communications for Internet, VPN connectivity and video transmission. This highly rugged VSAT is designed to fit in a backpack or laptop-sized case for ease of transport and missions that require inconspicuous travel.

Integration of the modem, RF components, and antenna into a single assembly greatly reduces set up time. In most cases the Shadow VSAT can be set up and operational in less than five minutes.

The embedded L3 GCS ViewSat-e GUI, integrated GPS and compass, enable an elegant and simple satellite pointing process. Operators are provided visual feedback indicators including signal strength via the integrated front panel display.

System Features

- Small form factor, lightweight design
- Flat panel antenna
- Airline carry-on, built-in battery
- Integrated ViewSat-e web-based GUI
- Front panel user interface
- External AC or DC power supply
- Integrated Wi-Fi access point
- iDirect Evolution and Velocity support

Benefits

- Executive/VIP travel; Military SATCOM
- Lightweight: 25 lbs.
- Low profile: Less than 4.5 inches thick
- Assisted pointing; setup in less than 5 minutes
- Designed for new HTS networks
- Sealed against weather and particles – for austere environments

Application

- Executive/VIP travel, Military SATCOM



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ANTENNA	
Size	10.75 x 15.75 (inches)
Acquisition	Manual
Elevation	0° to +90°
BAND SUPPORT	
Ku-	
RF PERFORMANCE	
	Ku-Band
Transmit (GHz)	13.75 to 14.5
Receive (GHz)	10.95 to 12.75
Polarization	Linear
EIRP (dBW)	43.0 dBW
G/T (dB/K)	8.0 dB/K
MODEM INTEGRATION	
iDirect 950mp	
INTERFACES	
Gigabit Ethernet	2 ports
Wi-Fi	802.11a/b/g/n (20 Mb/sec device to modem throughput)
GPS	Internal (external via USB)
POWER (with optional AC/DC supply)	
AC	90-264VAC; 47-440 Hz (with external AC adapter)
DC	10-36 VDC (with external DC adapter)
Battery (airline compliant)	Internal, 15 min. runtime (auto switchover with loss of AC power)
MECHANICAL	
Stowed Dimensions	16.6 x 11.7x 4.1(inches)
Terminal Weight	25 lbs.
ENVIRONMENTAL	
Temperature	Operational: -32°C to +50°C Storage: -40°C to +60°C
Dust/Water Resistance	IP66



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