

GCS CHEETAH™ II



0.85M Commercial Ka-Band Global Xpress VSAT

inmarsat
Global Xpress®



The industry renowned Cheetah flyaway VSAT system is now available in commercial Ka-Band for applications over the Inmarsat Global Xpress (GX) satellite constellation. It is a fully auto-acquire system that provides high-speed data communications for Internet, VPN connectivity, video transmission, and emergency response.

This light-weight solution can be deployed in a matter of minutes utilizing the auto-acquire antenna system, and ViewSat™-e web-based GUI.

The GX Ka Cheetah comes standard in two airline checkable, wheeled hard cases. Each case weighs less than 70 lb. and includes a fully auto-acquire 0.85M parabolic antenna system, Outdoor Unit with embedded iDirect e-850MP modem, 5 W commercial Ka-Band BUC/SSPA, controller/processor and Ethernet switch. The GCS ViewSAT™-e software provides monitor and control of the terminal through the use of an intuitive web-based Graphical User Interface (GUI).

FEATURES

- Proven auto-acquisition Roto-Lok™ design with zero backlash
- Embedded iDirect e-850MP Evolution Modem
- Field connectivity over CAT-5 cable
- Renowned GCS ViewSAT-e monitor & control software simplifies deployment and operation
- Designed to operate on Inmarsat Global Xpress Interim Government Plan (IGP)



Cheetah II



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ANTENNA/PEDESTAL	
Reflector	0.85M Parabolic (circular), 6pc., segmented carbon fiber
Optics	Offset, Prime Focus
Acquisition	Auto
Elevation	+10° to +75°
Azimuth	+90° to -90°
BAND SUPPORT	
Ka- Commercial	
RF PERFORMANCE	
Transmit (GHz)	29.0 to 30.0
Receive (GHz)	19.2 to 20.2
EIRP (dBW)	52.6 (5 W)
G/T (dB/K)	19.2
MODEM INTEGRATION	
iDirect e850MP	
INTERFACES	
# of ports	2 LAN
POWER	
AC	90-260VAC; 47-440Hz
DC	18-36VDC Input
Consumption	370VA
MECHANICAL	
# of cases	2 airline checkable hard cases**
System Weight per case	Antenna System case: <70 lb. RF System case: <70 lb.
Case Dimensions	Antenna System case: 24.6 x 19.7 x 14.4 (inches) RF System case: 24.6 x 19.7 x 14.4 (inches)
ENVIRONMENTAL	
Temperature	Operational: -20°C to +50°C Storage: -20°C to +55°C
Wind Loading	25 mph, gusting to 40 mph, with anchors
CERTIFICATIONS	
Inmarsat Global Xpress	



** Subject to individual airline regulations

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