

GCS

Capabilities



# Our Company

SATELLITE COMMUNICATIONS SOLUTIONS



# About us

Provides satellite communications solutions including man-portable and flyaway VSAT terminals and airtime/network services

Over 12,000 terminals fielded

180 employees across the U.S. and abroad







# Domestic Offices



Victor, New York | Headquarters

Asheville, North Carolina

# International Offices





# Our Capabilities

#### **Complete Satellite Communications Solutions**



Worldwide-Networks/Onsite support



Leading manufacturer of Turnkey Satellite Communications solutions from manpack systems to hub terminals



High-level engineering design and custom system integration

# **≡** Turnkey VSAT Solutions







Largest manufacturer of auto-acquire flyaway terminals for DoD remote communications

Worldwide space segment, teleport services, network connectivity and field support for the complete communications solution

### ≡ Services







Custom SATCOM network design and modeling including link budgets, terminal sizing, modem recommendations and bandwidth optimization.

Network Operating Center (NOC) managed 24/7 by cleared, highly-skilled personnel – real time traffic management

Expertly trained, on-site SATCOM field service personnel positioned around the world for quick response for installation, operation and maintenance and training requirements







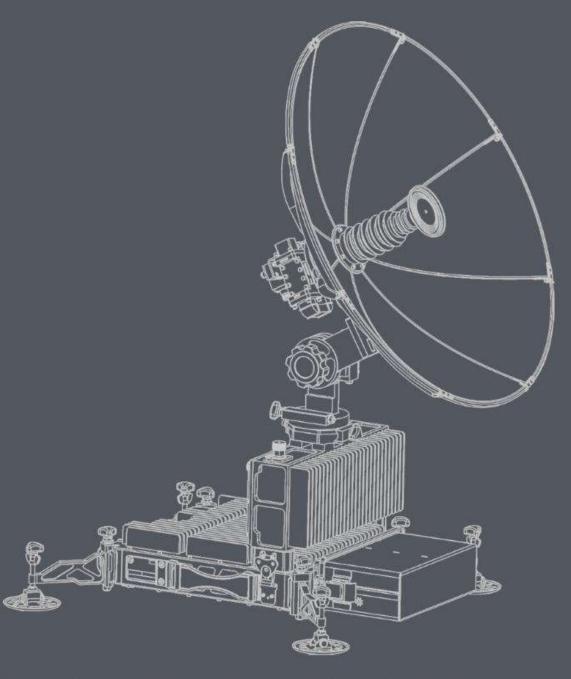


# Terminals







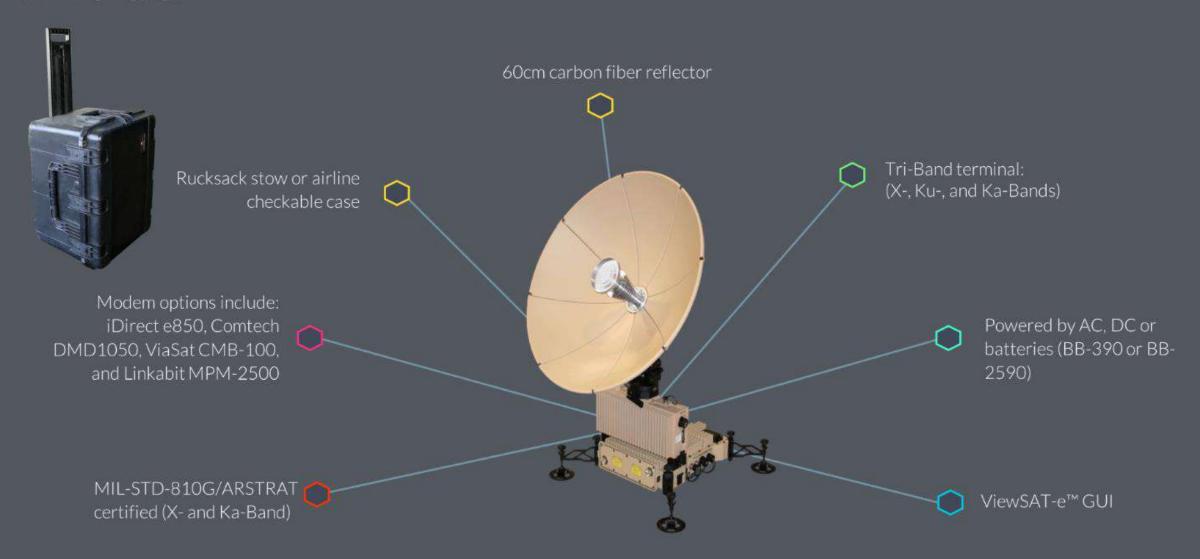


# Panther

MAN-PORTABLE VSAT



### ≡ Panther





### □ Panther - Differentiators



- Fine tune articulation
- Silent Operation No fans
- Modular Design Easy RF band change



- O Outriggers for stabilization
- System weight <43 lbs.</li>
- O Supports iDirect keyline Low power

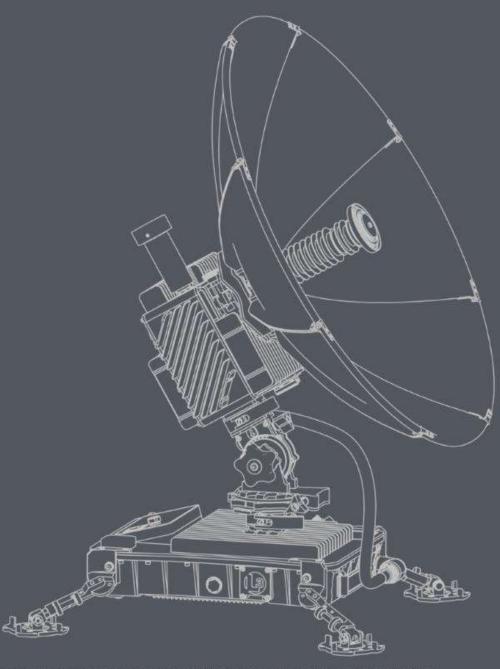


- Easy setup "BGAN style" pointing
- Integrated ViewSAT-e™ web-based GUI
- High-gain option 96cm reflector kit

# **Proven Performance**

Over 1,000 units fielded



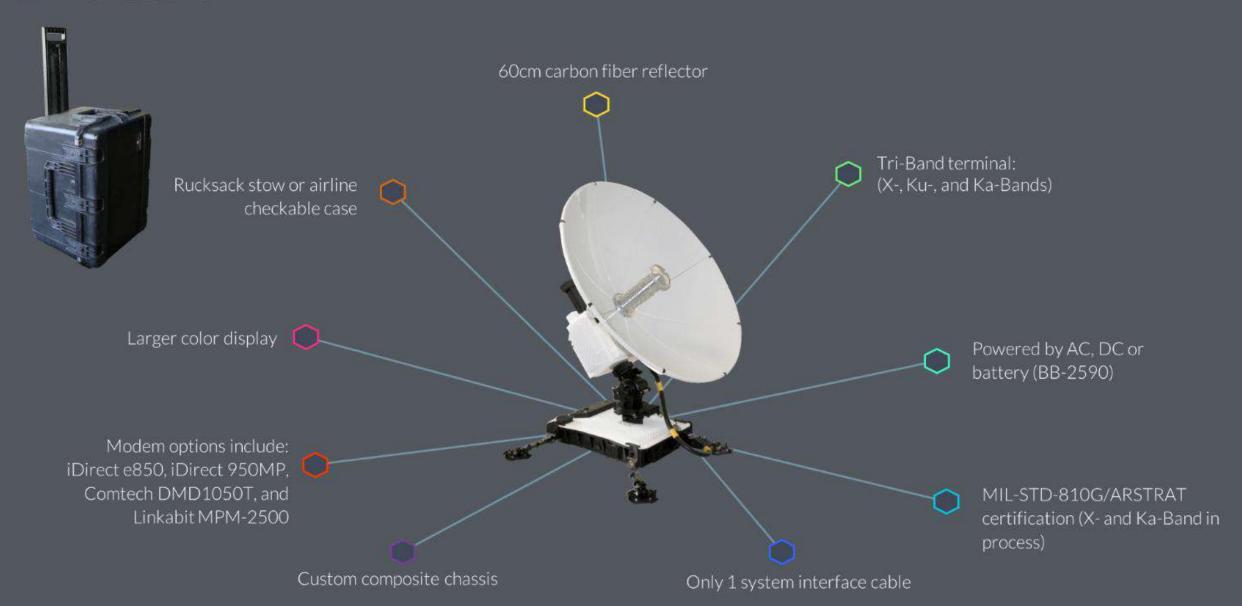


# Panther II

MAN-PORTABLE VSAT



### ≡ Panther II





### □ Panther II - Differentiators



- Fine tune articulation
- Silent Operation No fans
- Modular Design Easy RF band change



- Outriggers for stabilization
- O High-gain option 96cm reflector kit
- O Supports iDirect keyline Low power



- System weight < 29 lbs.</li>
- Integrated ViewSAT-e™ GUI
- Large, glare resistant front panel control display



## ∃ Panther II Accessories



96cm Kit



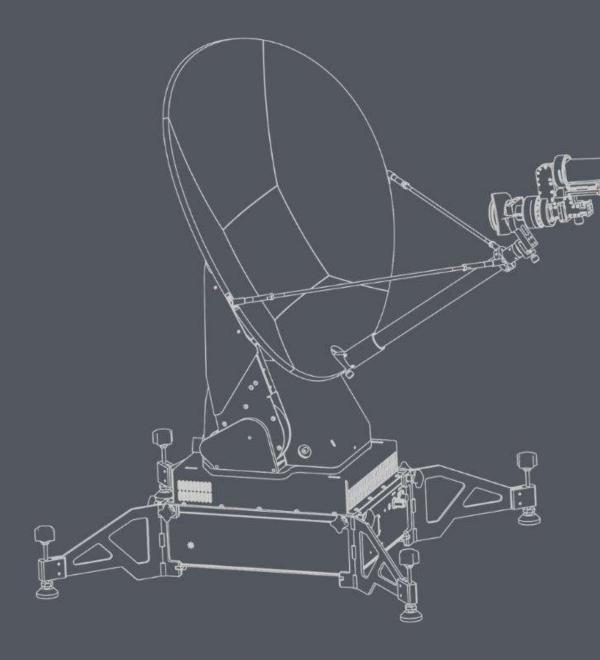
Band Kits
Ku-, X- and WB-Ka



Battery Charger Kit



Rucksack



# Cheetah

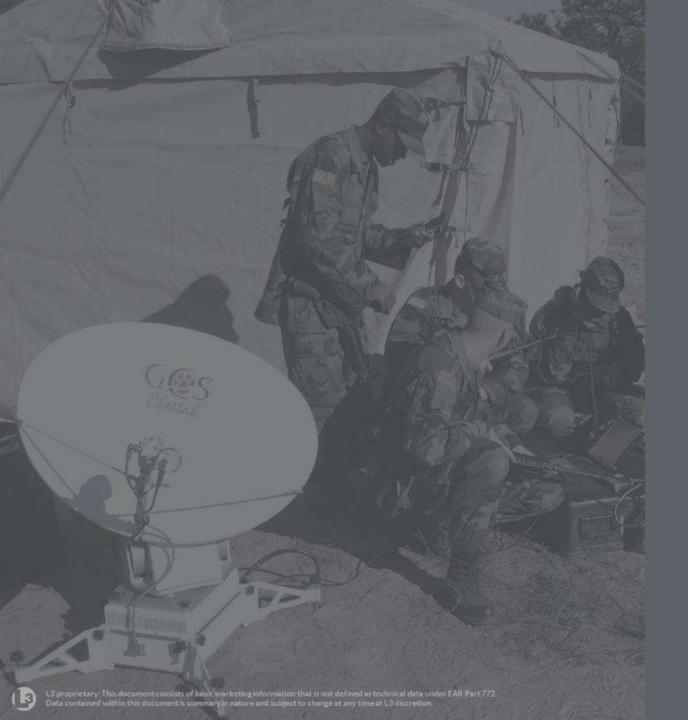
FLYAWAY KU-BAND VSAT



### **≡** Cheetah

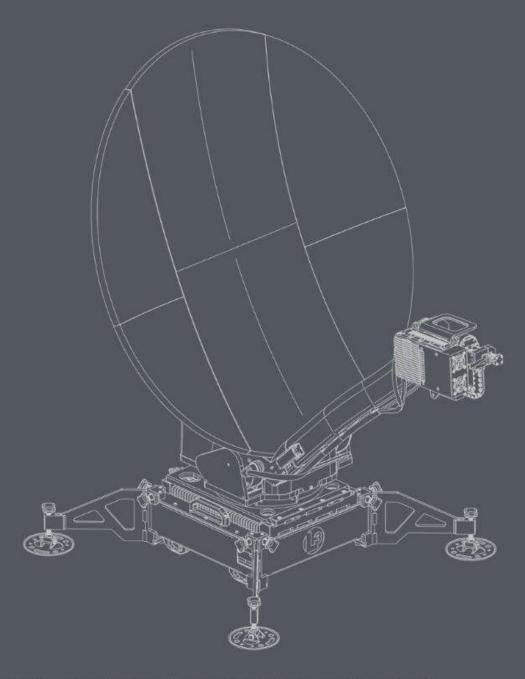






# **Proven Performance**

Over 2,000 units fielded

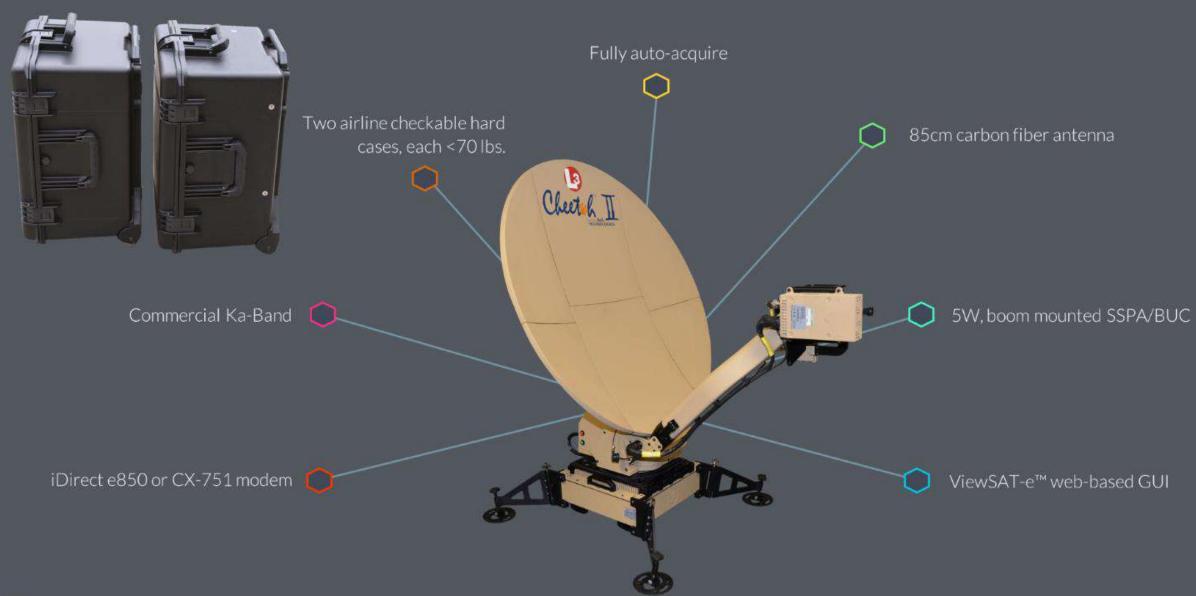


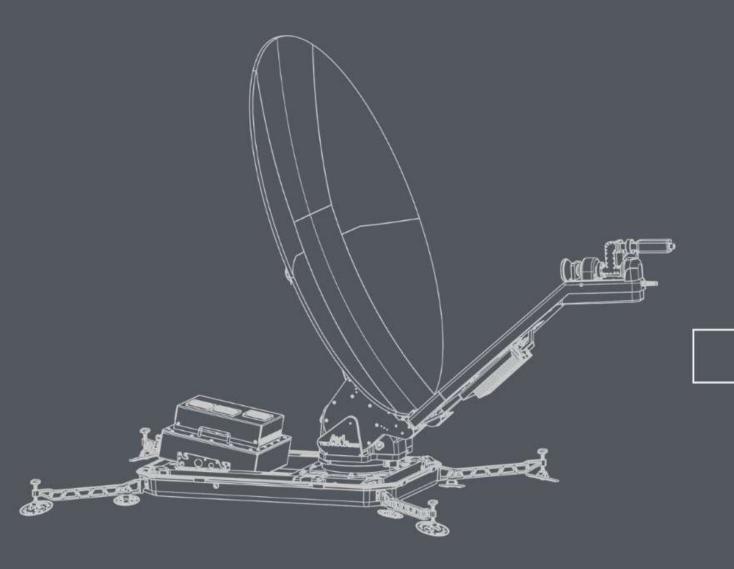
# Cheetah II

COMMERCIAL KA-BAND VSAT



### **∃** Cheetah II





# Hawkeye III Lite

FLYAWAY TRI-BAND VSAT



# ∃ Hawkeye III Lite



ViewSAT-e™ web-based GUI



## ∃ Hawkeye III Lite Accessories



Band Kits Ku-, X- and WB-Ka

Quick change feed boom – all that is needed for band change!



Uninterruptable Power Supply (UPS)

Multiple sizes available for mission requirements



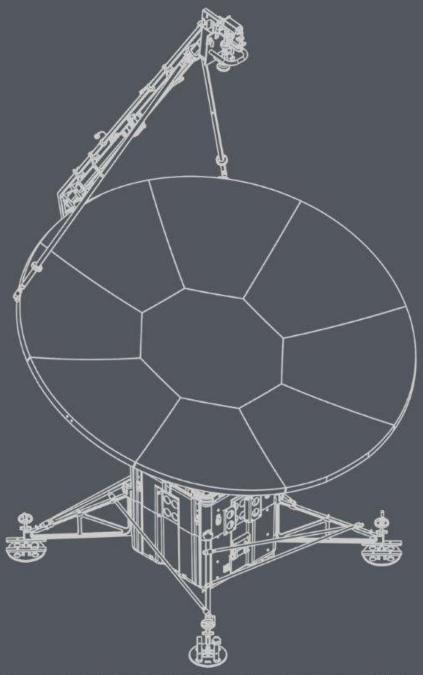
External Modem Kits

EBEM
Linkabit
ViaSat
Comtech
Other options available



**Baseband Kits** 

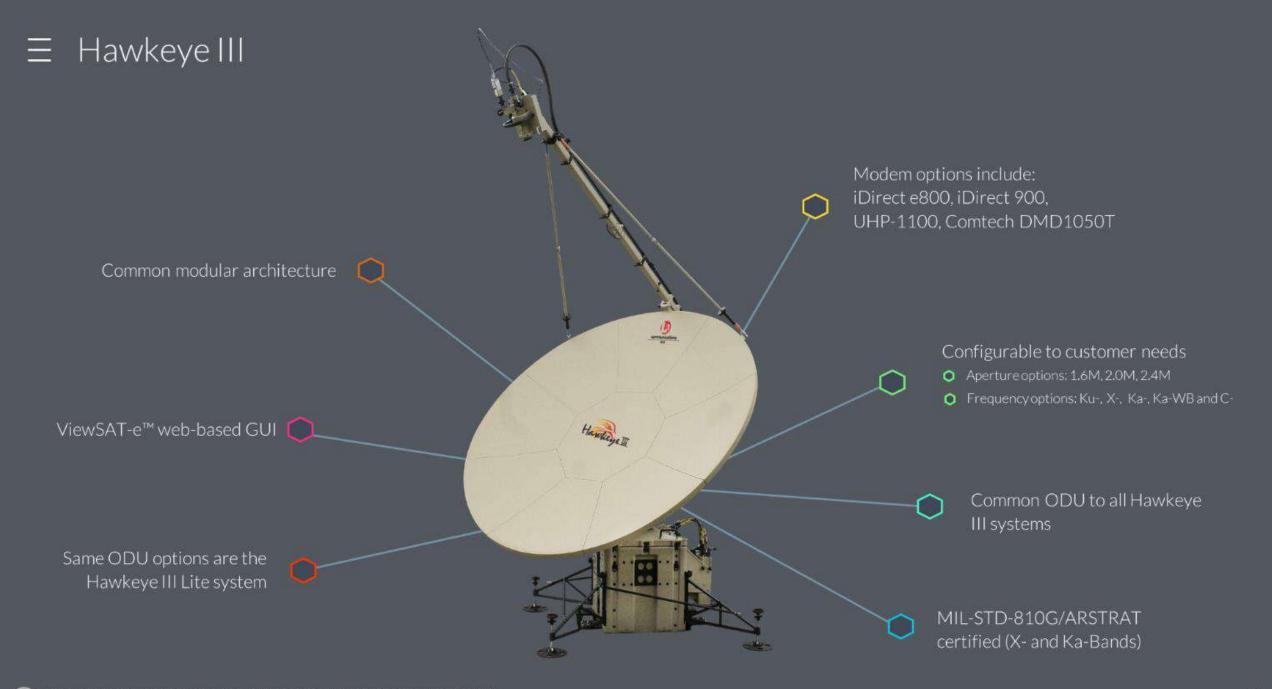
Custom designed solutions



# Hawkeye III

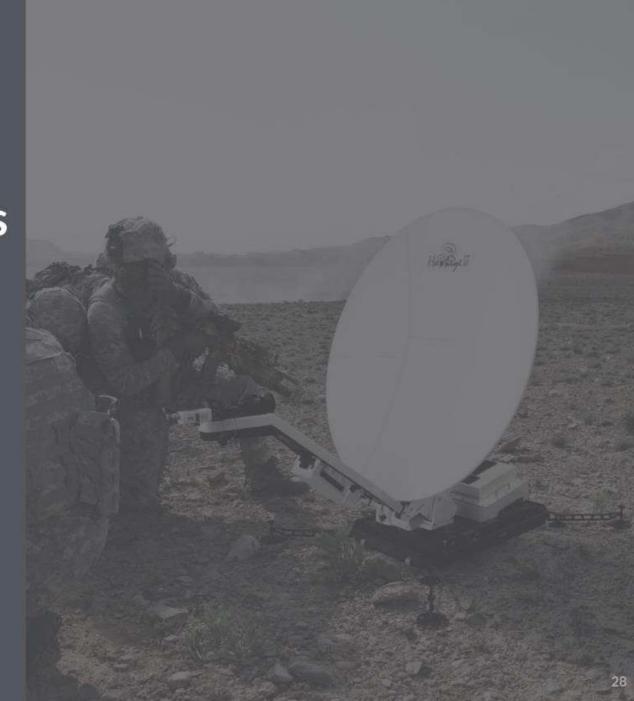
FLYAWAY QUAD-BAND VSAT

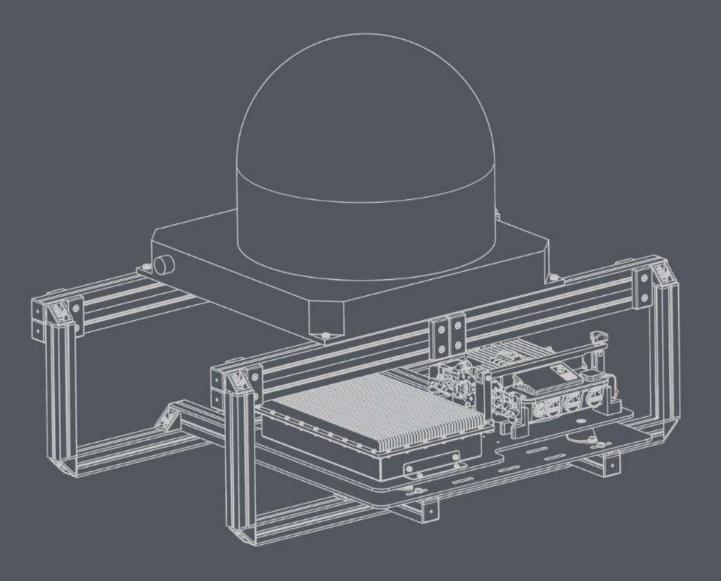




# Hawkeye Family of Terminals Proven Performance

Over 7,500 units fielded



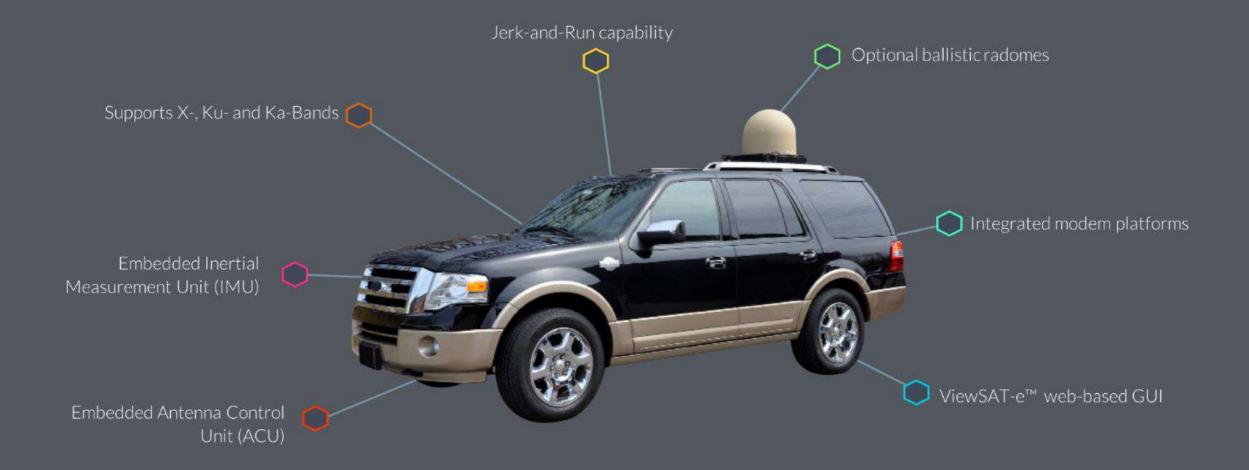


# COTM Solutions

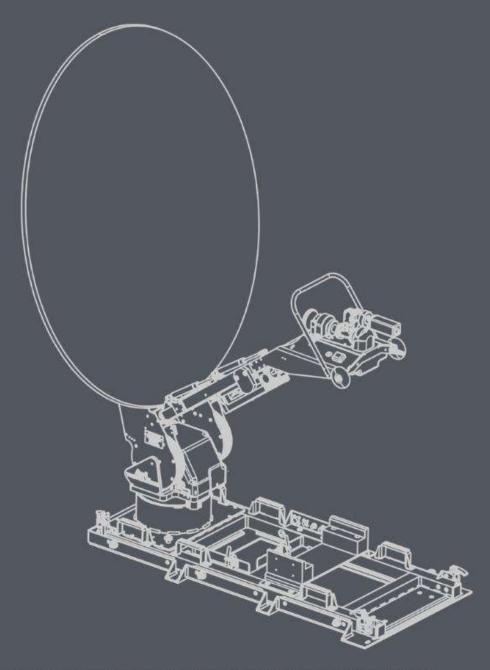
STABILIZED VEHICULAR SYSTEMS



### **≡** COTM Solutions





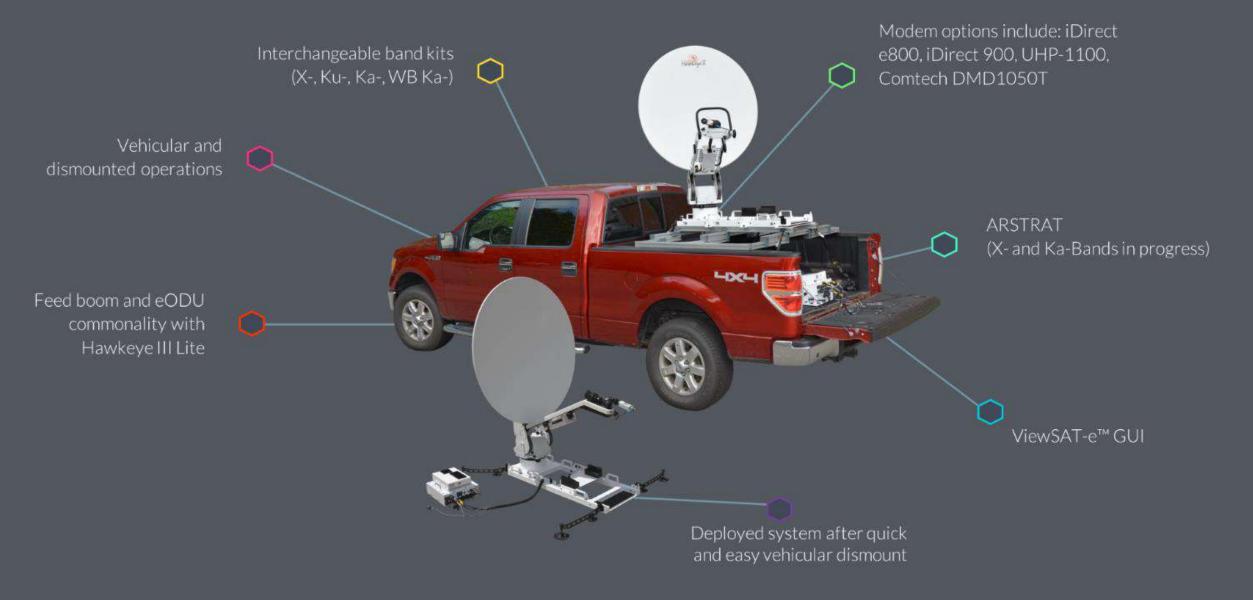


# Hawkeye III Lite Mobile VSAT

COTP SOLUTIONS



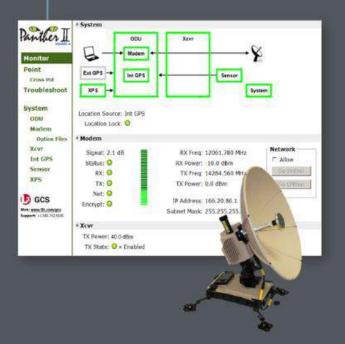
## ∃ Hawkeye III Drive-Away

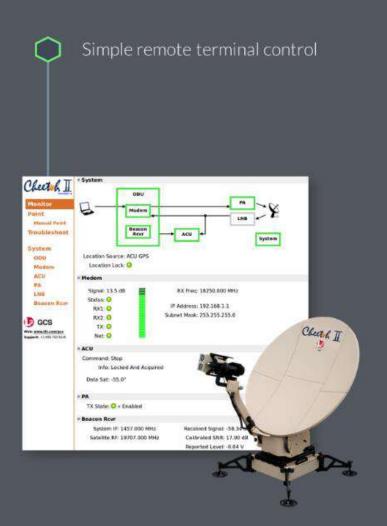


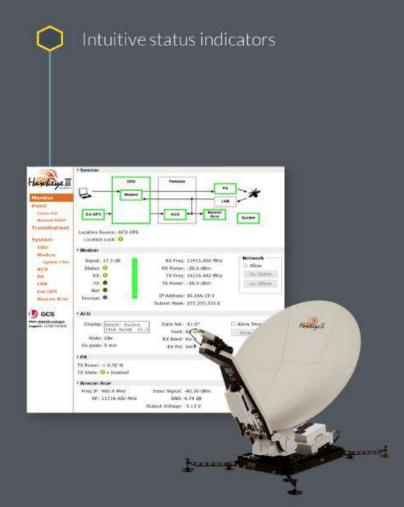
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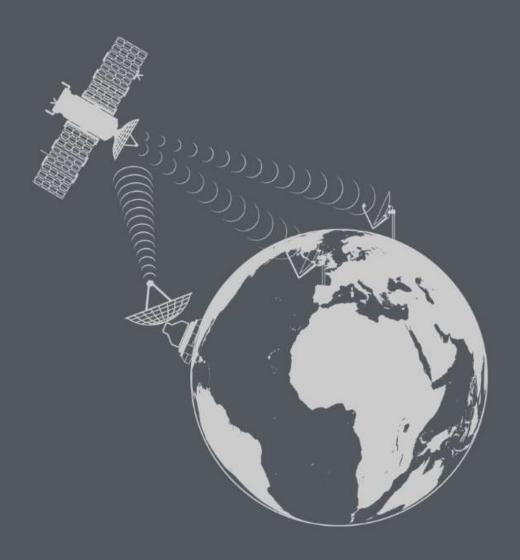


Commonality across all GCS VSAT terminals









# Managed Services

**END-TO-END CONNECTIVITY** 



# **∃** Global Coverage



# Solutions Through Strategic Relationships

#### Multi-Band Offerings

• C, X, Ku and Ka-Bands

#### New High Throughput Satellite (HTS) Constellations

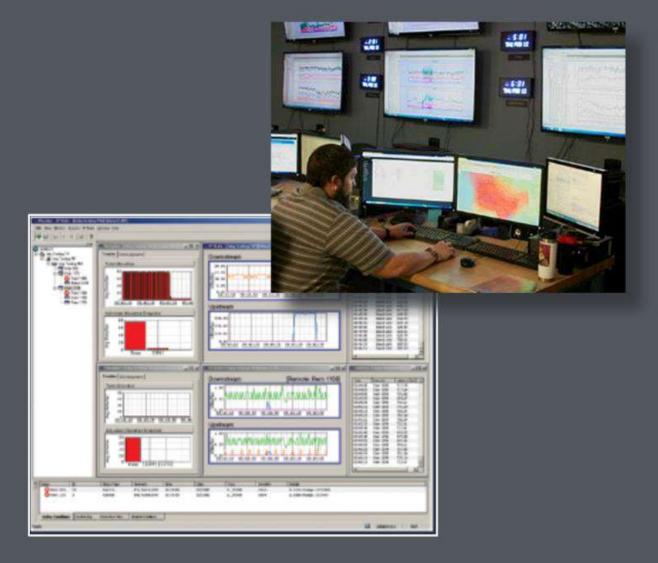
- Inmarsat, Intelsat, Eutelsat, SES
- Fixed and steerable beams
- Inmarsat Global Xpress VAR Status

#### Flexible Networks for Dynamic Requirements

- Beam-to-Beam Capability
- Satellite-to-Satellite Capability
- Band-to-Band Capability



### **∃** NOC Services



# Managed Networks

#### Customer-Driven Networks

- Shared & Private Networks
- Star, Mesh and Point-to-Point
- iDirect, ViaSat and Comtech modem technologies

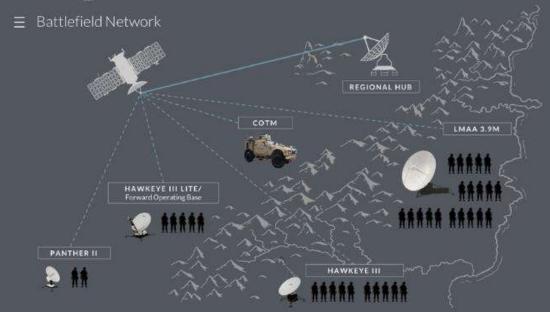
#### **On-Demand Support**

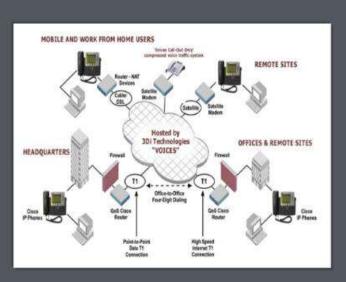
- 24x7x365 Manned Coverage Victor, NY, USA
- Help Desk Assistance
- Continuous Network Monitoring

#### **Unique Services**

- Information Assurance DoD DIACAP Accreditation
- Web filtering
- IP acceleration and packet shaping

# ∃ Design Services





# Custom Solutions for Unique Applications

#### SATCOM Network Design & Modeling

- Link Budgets
- Terminal Sizing and Modem Recommendations
- Bandwidth Optimization

#### Mixed Technology Integration

- Satellite: VSAT, BGAN
- LMR: HF, VHF, UHF
- IP Networking: Leased Lines, WiFi, LTE
- Encryption & Cyber Security

#### Platform Integration

• Shelters, Vehicles, Field Sites

### ≡ Field Services









### Full-Service Provider

#### Installation Services

- Program Management
- Project Engineering
- Civil Works and Site Preparation
- Equipment Setup & Commissioning

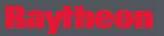
#### Operations & Maintenance

- Inspections and Preventative Maintenance
- Repairs and Upgrades

#### Value-Add Services

- User Training
- Maintenance Training
- Logistics

### **≡** Current Customers















AFSOC



NAVAIR



CECOM



CENTCOM



JCSE



DISA



Dol



Department of Homeland Securit



FBI



MARCORSYSCOM



NYS Police



RDECOM



SDDC



larthcom



NAVSPECWAR



WHCA



AIR FORCE



ARMY



COAST GUARD



Department of State



MARINES



NAVY









USSOCOM



SOCCENT



USASOC



20th Support Comm



AFCENT





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