

GCS-210 Eagle™ 1M Quick-Deploy VSAT



Overview:

Whether the need is remote Internet/VPN connectivity, live videoconferencing, surveillance or reconnaissance, the GCS-210 Eagle™ Quick-Deploy Satellite Communications System provides high data rate communications up to T1 rates. It's the smallest and lightest Quick-Deploy system of its kind and can be deployed in a matter of minutes. The antenna system is the latest in technology that utilizes a 4-segment carbon fiber reflector.

The GCS-210 Eagle™ 1 meter Quick-Deploy, Ku-Band VSAT system is specifically designed to be Airline Checkable - eliminating the need for separate shipping. The antenna system is comprised of only two cases that house a custom tripod and 1M antenna/RF system. This system can be used with virtually any type of VSAT technology including TDM/TDMA, SCPC to DAMA networks.

The light-weight tripod is a custom unit made with telescopic leg extensions which fit in a custom rugged case. The design provides the means for coarse and fine adjustments of azimuth and fine adjustment for elevation. Systems can be provided in power ranging from 4W to 25W.

Applications:

- Quick-Deploy government or military voice, data and video communications
- Deployable emergency response communications
- Remote Internet/VPN connectivity within CONUS or OCONUS (Middle East, Europe, Africa and Asia)
- Video Surveillance and Video Conferencing

Features:

- Two light-weight Airline Checkable custom cases make up the complete Quick-Deploy Antenna & RF System.
- 4-piece lightweight carbon fiber 1M circular reflector provides best RF performance.
- 4-watt to 25-watt BUC & SSPA options.
- Interface to various types of VSAT modem packages.
- Cases are stackable.

Benefits:

- VSAT communications for voice, data, and video broadcast or conferencing.
- Rapid deployment by one or two persons within minutes.
- Circular reflector for optimum off-axis performance and easy polarization adjustment - a significant advantage over elliptical or other non-circular reflectors.
- Airline Checkable - system travels with the passenger.
- High speed Internet access or file transfer from remote sites provides timely information to decision makers.

VSAT Modem System Options:

GCS-252iC-R iDirect™ Modem Transit Case

Comprised of iDirect™ Infinity modem and ethernet switch integrated into a rugged, 4RU rack mount transit case.

GCS-252s-R SCPC Modem Transit Case

Consists of a SCPC modem integrated into a rugged, 4RU rack mount transit case.

GCS-254-01 IFLCase

Includes 150 ft. Transmit and Receive coaxial IFL cable and AC power cord in a rugged case. For 4W systems.

GCS-254-02 IFL Case

Includes 150 ft. Transmit and Receive coaxial IFL cable and AC power cord in a rugged case. For 8-25W systems.

GCS-200-PK Pointing Kit

Includes spectrum analyzer, power splitter, GPS and Inclinometer in carrying case.

System Specifications:

Antenna & RF System:

Feed Type: Prime Focus, Offset Feed
Reflector: 1M Circular, 4-segment Carbon Fiber
Elevation: 0 to 90 degrees
Azimuth: +/- 30 degrees continuous
Operation: Manual set up
G/T: 19.2 dB/K
EIRP: 53.5 dBW (25-watt SSPA)
Power: 4W to 25W available
LNB: 3x; global coverage
Temperature: -20°C to +50°C
Wind Loading: 50 mph with ballast or anchors
30 mph without ballast or anchors

Antenna & RF Cases:

Size: 34L x 24W x 13H inches
Weight: Each case under 100 lbs

Space Segment and Services:

GCS offers complete private HUB/NMS facilities as well as connectivity through partner Teleports from almost any part of the world.

For Ordering:

GCS-210-xx Eagle VSAT System
(xx = 04, 08, 10, 12, 16, 20, 25 Watts SSPA)

VSAT Modem System Options:

GCS-252iC-R iDirect Modem Transit Case
GCS-252s-R SCPC Modem Transit Case
GCS-254-01 IFL Case (4W system)
GCS-254-02 IFL Case (8-25W systems)

Specifications subject to change without notice

GCS is a turnkey solution provider of satellite and wireless communications systems & services. We offer satellite communications solutions from portable Inmarsat terminals to flyaway, fixed and trailer mounted C, X, Ku-Band or multi-band satellite earth stations or networks. Multimedia shelter communications systems are also available to address a wide variety of applications.

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