



# *Generation IV* **GROUND CONTROL STATION**

## **Control your UAV with the ground control station**

that has proven itself in operations overseas. L-3 BAI Aerosystems Generation IV Ground Control Station provides the user with a wide variety of features that UAV flight engineers desire. The Generation IV has 1350 MHz and 900 MHz frequency hopping uplinks, and an 1800 MHz downlink with an onboard automatic antenna tracking system with 360° continuous rotation ability for the UAV.

Included in the Generation IV Ground Control Station are a heads-up display, payload inputs, internal pilot control box, video telemetry recording and playback, Panasonic Toughbook laptop computer with mission planning software, NEMA data output, and MGRS grid.

The Generation IV Ground Control Station can be tuned for different frequencies, and has other user options including ICS (Intercom System),



*Reverse view of the L-3 BAI Generation IV Ground Control Station*

and L-3 BAI Aerosystems new Flat-Panel Antenna System, which provides the same performance as the standard array with a fraction of the weight and size. Battery back-up is another available option for the Generation IV.

For additional details, please contact BAI Aerosystems.



**communications**  
**BAI Aerosystems**

# Generation IV GROUND CONTROL STATION

## DUAL FLAT-PANEL ANTENNA ARRAY

- Uplink and downlink are transmitted and received in one flat-panel antenna with 360° continuous rotation tracking ability
- The array is lightweight (65 pounds) and durable
- Low surface area decreases wind resistance

L-3 BAI Aerosystems  
Dual Flat-Panel Antenna



Optional Hi-Gain Dual  
Tracking Antenna Array



Generation IV  
Payload Controller



Recording Unit



Rugged Toughbook  
Laptop



System Controller

## STANDARD FEATURES

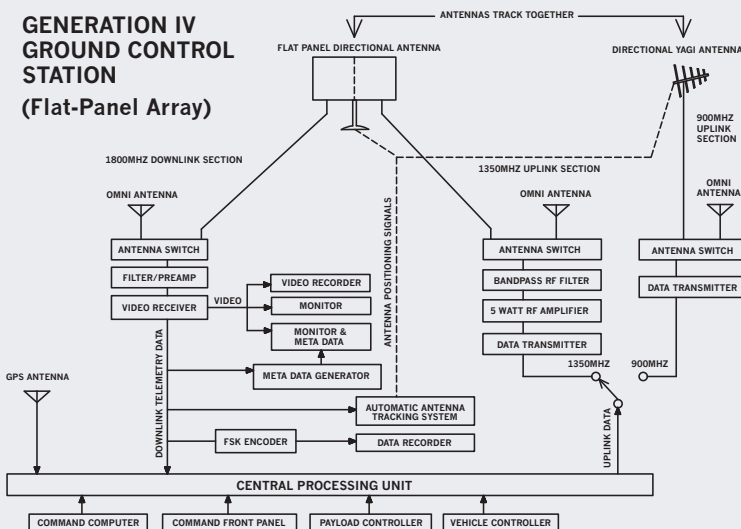
- Lightweight - Two Person Transportable
- 1350MHz and 900 MHz Frequency Hopping Uplink
- 1800 MHz Downlink
- Onboard Automatic Antenna Tracking System
- 360° Continuous Rotation Ability
- Video Telemetry Recording and Playback
- NEMA Data Output
- MGRS Grid with Latitude, Longitude and UTM
- Laptop Computer
- Mission Planning Software
- Heads-Up Display
- Payload Inputs

## OPTIONAL FEATURES

- Specific Frequency Adjustment for Uplink and Downlink
- Intercom System (ICS)

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## GENERATION IV GROUND CONTROL STATION (Flat-Panel Array)



For more information on the Generation IV Ground Control Station, please contact L-3 BAI Aerosystems at [bai.sales@L-3Com.com](mailto:bai.sales@L-3Com.com), or through our contact information listed below.



**communications**  
**BAI Aerosystems**

**BAI AEROSYSTEMS**  
9040 Glebe Park Drive  
Easton, Maryland 21601, USA  
410.820.7500  
Fax 410.820.8500  
[www.bai.aero](http://www.bai.aero) 8/06